



STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File: EMD-SDWB

Blumenfeld03.docx

January 30, 2015

Mr. Jared Blumenfeld
Regional Administrator
United States Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105-3901

Dear Mr. Blumenfeld:

Subject: Submittal of Hawaii Department of Health, Corrective Action Plan for
US EPA, Region IX's Notice of Non-Compliance

The Hawaii Department of Health (DOH) received the Notice of Non-Compliance (NNC) on October 24, 2014. The US EPA Region IX documented concerns and recommendations to the Drinking Water Treatment Loan Revolving Fund, also known as the Drinking Water State Revolving Fund (DWSRF), in eight (8) years of Program Evaluation Reports.

The DOH acknowledges that programmatic improvements are needed to ensure expeditious and timely use of the funds in the DWSRF, a Loans and Grants Tracking System (LGTS) and cash flow model is needed to manage unspent funds, and personnel need to be hired to manage the set-aside programs.

The DOH hereby submits the enclosed Corrective Action Plan (CAP) for the US EPA, Region IX's NNC. The DOH is committed to addressing the additional NNC listed actions with subsequent due dates (NNC Items 9-30).

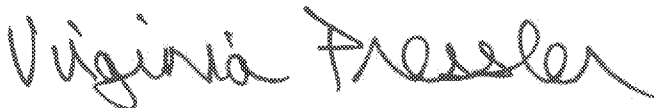
The DOH would like to take this opportunity to express its appreciation to the Water Division, Tribal and State Assistance Branch Immediate Office (WTR-3), Drinking Water Management Section (WTR-3-1), and Infrastructure Section (WTR-3-3) for their assistance in the development and implementation of the SRF Management Study and LGTS, and for coordinating informational briefings and meetings with the Governor's Office, Department of Accounting and General Services, Department of Budget and Finance, and the water and wastewater programs of the City and Counties. The SRF Teams in the Safe Drinking Water Branch, Wastewater Branch, and Environmental Resources Office are excited to see the many possible improvements identified in the SRF Management Study.

Mr. Jared Blumenfeld
January 30, 2015
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In addition, the DOH continues to work closely with two (2) teams from the US EPA contractor, Northbridge Environmental Management Consultants, to implement some recommendations from the SRF Management Study and to develop and implement the LGTS. We are impressed with Northbridge's depth of knowledge of other possible workflow improvements which are in use in different states.

If you have any questions, please contact Ms. Joanna L. Seto, P.E., Safe Drinking Water Branch Chief, at (808) 586-4258 or via email at joanna.seto@doh.hawaii.gov.

Sincerely,



Virginia Pressler, M.D.
Director of Health

Enclosure: Hawaii Department of Health Corrective Action Plan

- c: Mr. Mike Montgomery, EPA Region IX Tribal and State Assistance Branch
Immediate Office (WTR-3) (w/ encl.) [via montgomery.mike@epa.gov only]
EPA Region IX Infrastructure Section (WTR-3-3) (w/ encl.)
[via eberhardt.doug@epa.gov, polanco.susan@epa.gov, licata.juanita@epa.gov,
amaris.josh@epa.gov only]
EPA Region IX Drinking Water Management Section (WTR-3-1) (w/ encl.) [via
li.corine@epa.gov, leon-guerrero.ephraim@epa.gov only]
Mr. Mike McCartney, Governor's Office (w/ encl.)
Ms. Karen Matsunaga, Department of Budget and Finance (w/ encl.) [via
Karen.K.Matsunaga@hawaii.gov only]
Mr. Wayne Horie, Department of Accounting and General Services (w/ encl.) [via
wayne.m.horie@hawaii.gov only]
Mr. Gary Gill, Deputy Director of Environmental Health (w/ encl.) [via email only]
Mr. Stuart Yamada, Environmental Management Division (w/ encl.) [via email only]
Ms. Sina Pruder, Wastewater Branch (w/ encl.) [via email only]
Ms. Nancy Bartter and Mr. Kevin Yoshioka, Environmental Resources Office
(w/ encl.) [via email only]

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

October 24, 2014 United States Environmental Protection Agency, Region IX (EPA) Notice of Non-Compliance

Pursuant to 40 CFR 35.3585 (b) and (c), the DOH must submit a corrective action plan by January 30, 2015. If the DOH fails to provide an acceptable corrective action plan to achieve the results required, or subsequently fails to implement an element of an approved plan, the EPA may suspend grant payments until the DOH has taken acceptable actions, or take other enforcement actions under 40 C.F.R. §31.43. The CAP must address the following components:

Item	Action	Deadline	Action Area	DOH Commitment
1	Identify a senior DOH manager as the primary point of contact for tracking, overseeing and coordinating the DOH's activities associated with the CAP.	January 30, 2015	Data and Reporting	<p>The DOH identifies the Deputy Director for Environmental Health (DDEH) and Joanna L. Seto, P.E., Chief of the Safe Drinking Water Branch (SDWB) as the primary points of contact.</p> <p>The DDEH is responsible for coordinating the activities outside of the DOH which are associated with the CAP.</p> <p>The SDWB Chief is responsible for tracking, overseeing, and coordinating the DOH's activities associated with the CAP. This includes the technical, managerial and financial reporting requirements.</p> <p>The alternate contact for the SDWB Chief is Nancy Bartter, Public Health Administrative Officer of the Environmental Resources Office.</p>
2	Submit a schedule for monthly meetings with the EPA to discuss progress on the CAP components. At least three days prior to each meeting, the DOH will provide a written agenda with updates on CAP components, the Management Study and the LGTS work assignments.	January 30, 2015	Data and Reporting	<p>The DOH will meet with EPA at a minimum on a monthly basis, beginning February of 2015 and until July of 2017, to discuss the progress on the CAP items. DOH will provide to EPA at least three (3) days prior to each meeting a written agenda with updates on CAP items, the Management Study and LGTS work assignments.</p> <p>The DOH proposes the meetings be scheduled on the third Wednesday of the month. The SDWB Chief will generate and distribute agendas on the Friday prior to the meeting.</p>

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
3	Submit a fund utilization plan for the 15% set-aside for each capitalization grant. The plan will identify the funds paid to date (with the associated project or activity being reimbursed), encumbered funds (with a schedule for expending the funds), and available funds (with a schedule for expending the funds).	January 30, 2015	Disbursements	<p>The DOH submits the fund utilization plan for the 15% set-aside for each capitalization grant in CAP Attachment 1. The plan uses a spreadsheet to identify the funds paid to date (with the associated project or activity being reimbursed), encumbered funds (with a schedule for expending the funds), and available funds (with a schedule for expending the funds).</p> <p>This is a one-time CAP submittal requirement which the DOH will continue to update and submit on a quarterly basis. Note that the values are as of January 15, 2015, mid-way through the reporting month.</p>
4	Submit a summary of all 15% set-aside projects including recipient, project outcomes/outputs, funding level, project period and project status.	January 30, 2015	Technical Capabilities	<p>The DOH submits CAP Attachment 2 which is a summary of all 15% set-aside projects including recipient, project outcomes/outputs, funding level, project period and project status.</p> <p>This is a one-time CAP submittal requirement which the DOH will continue to update and submit on a quarterly basis per the approved workplan. Note that the values are as of January 15, 2015, mid-way through the reporting month.</p>

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
5	Alter the loan amortization calculation methods for loans signed after March 1, 2015, to a one-time amortization of the loan upon project completion. This includes creating a projected amortization schedule at loan signing.	January 30, 2015	Data and Reporting	<p>The DOH commits to alter the loan amortization calculation methods for loans by January 30, 2015. The DOH commits to agree to the method or methods of alteration by April 1, 2015. The DOH commits to implement the changes to the amortization calculation methods on loans signed after June 30, 2015, to a one-time amortization of the loan upon project completion. This includes creating a projected amortization schedule at loan signing.</p> <p>The extension is requested because the DOH is required to amend Hawaii Administrative Rules, Chapter 11-65-03 and 11-65-10. The rules amendment process is estimated to take six to 12 months. In addition, the DOH is currently drafting the Final Loan Agreements for loans which are scheduled to be executed in the Spring of 2015. Changes to the amortization calculation method would impact staff time as well as delay the issuance of the Final Loan Agreements.</p>
6	Submit a list of projects from the state fiscal year 2015 fundable list that are viable and ready to proceed within three to six months.	January 30, 2015	Loan Commitments	The DOH submits CAP Attachment 3 which is a list of projects from the SFY 2015 fundable list that are viable and ready to proceed within three to six months.
7	Submit a report establishing a target level for commitments (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings) for state fiscal year 2015.	January 30, 2015	Loan Commitments	The DOH submits CAP Attachment 4 which is a report establishing a target level for commitments (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings) for SFY 2015.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment												
8	Submit a report establishing a target level for disbursements for state fiscal year 2015.	January 30, 2015	Disbursements	<p>The DOH submits the following target levels for disbursements for SFY 2015. Quarters 1 and 2 are actual disbursements while Quarters 3 and 4 are projected disbursements based on assumptions in the existing DOH cash flow.</p> <table><tr><th>Period of Disbursement</th><th>Disbursed Amount</th></tr><tr><td>Quarter 1 (July 1 – September 30, 2014)</td><td>\$7,160,468.22</td></tr><tr><td>Quarter 2 (October 1 – December 31, 2014)</td><td>\$28,757,141.35</td></tr><tr><td>Quarter 3 (January 1 – March 31, 2015) *</td><td>\$8,877,601.07</td></tr><tr><td>Quarter 4 (April 1 – June 30, 2015)</td><td>\$15,367,516.33</td></tr><tr><td>SFY 2015</td><td>\$60,162,726.97</td></tr></table> <p>Note: * \$3,659,540.94 of this are actual disbursements for January</p>	Period of Disbursement	Disbursed Amount	Quarter 1 (July 1 – September 30, 2014)	\$7,160,468.22	Quarter 2 (October 1 – December 31, 2014)	\$28,757,141.35	Quarter 3 (January 1 – March 31, 2015) *	\$8,877,601.07	Quarter 4 (April 1 – June 30, 2015)	\$15,367,516.33	SFY 2015	\$60,162,726.97
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SFY 2015	\$60,162,726.97															
9	Meet with the EPA to select recommendations to implement from the final version of the LGTS Study.	30 days from receipt of final report	Technical Capabilities	The DOH will meet with the EPA 30 days from receipt of the final version of the LGTS Study.												
10	Submit a plan, including a schedule, to implement selected recommendations from the LGTS Study.	30 days from meeting with the EPA	Technical Capabilities	The DOH will submit the LGTS Study Implementation Plan to EPA by 30 days from meeting with the EPA.												

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
11	Submit to the EPA a staffing plan including job descriptions and timeline to address at a minimum the following four deficiencies the EPA has identified: (1) information technology: expertise is needed with respect to the development, implementation and maintenance of LGTS; (2) financial analysis: expertise is needed with respect to financial modeling, strategic planning, and forecasting to determine funding capacity and create an understanding of the long term implications of funding decisions; (3) program management: expertise is needed for managing the SRFs (not limited to DWSRF) in a manner so as to integrate program, accounting, and financial activities to meet and sustain the goals of the CAP and Management Study; and (4) set-aside management: submit a schedule for filling the Program Specialist, Geologist and Chemist vacancies in SDWB, such that all three positions are advertised by March 31, 2015.	February 28, 2015	Technical Capabilities	The DOH will submit a staffing plan to EPA by February 28, 2015, which includes job descriptions and timeline, to address, at a minimum, the four deficiencies EPA identified in this CAP Item 11.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
12	The DOH will meet with the EPA to review and agree on the modifications to the Hawaii DWSRF State Environmental Review Process to ensure that the SERP meets the requirements of the federal DWSRF program.	February 28, 2015	SERP	<p>The DOH will meet with EPA by February 28, 2015, to review the modification to the Hawaii DWSRF State Environmental Review Process (SERP) to ensure that the SERP meets the requirements of the federal DWSRF program. In addition, the DOH will submit an outline of the draft proposed revision to the SERP for EPA review.</p> <p>The DOH will meet with EPA by April 30, 2015, to agree on the modifications. Additional time is needed to work out necessary changes and legal consultation.</p> <p>Note that the first meeting between DOH and EPA was held via conference call on January 16, 2015.</p>
13	Deadline for advertising the Program Specialist, Geologist and Chemist vacancies in SDWB. Submit a report describing the status of the vacancies in SDWB.	March 31, 2015	Technical Capabilities	<p>The DOH will submit a copy of the Internal Vacancy Announcement and status of the process to fill the position to EPA by March 31, 2015, for each listed position.</p> <p>Note: Program Specialist title has been changed to General Professional.</p>
14	Submit a report evaluating the extent to which each 15% set-aside project is meeting goals, outcomes, outputs and contract terms. Include a list and schedule for each deficiency and correction.	March 31, 2015	Technical Capabilities	<p>The DOH will submit a report to EPA by March 31, 2015, which will evaluate the extent to which each 15% set-aside project is meeting goals, outcomes, outputs and contract terms, including a list and schedule for each deficiency and correction.</p> <p>Note that this will be an update of CAP Attachment 2.</p>

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
15	Propose a commitment target for state fiscal year 2016 to use the state's full loan capacity (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings). Target must be calculated using a cash flow model such as FOCUS that incorporates the DOH's project pipelines along with the counties' capital improvement plans. If the EPA has not yet provided state allotments for 2015, the DOH should confer with the EPA regarding an estimated amount for the 2015 capitalization grant. Submit a list of projects from the state fiscal year 2016 fundable list (or draft IUP), sufficient to meet the proposed commitment target, that are viable and ready to proceed within three to six months.	March 31, 2015	Loan Commitments	The DOH will submit to EPA by March 31, 2015, a commitment target for SFY 2016 to use the state's full loan capacity (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings). Target will be calculated using a cash flow model that incorporates the DOH's project pipelines along with the counties' capital improvement plans and will include a list of projects from the SFY 2016 fundable list (or draft IUP), sufficient to meet the proposed commitment target, that are viable and ready to proceed within three to six months.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
16	Submit a disbursement plan accounting for all sources of funds, including capitalization grants, state match, fees, repayments and interest earnings, developed using a cash flow model. Federal funds must be disbursed such that the balance of federal funds on June 30, 2017, (including loans and set-asides) does not exceed the sum of the 2015 and 2016 capitalization grants. The plan must include annual and cumulative disbursement targets for state fiscal years 2016 and 2017.	March 31, 2015	Disbursements	The DOH will submit a disbursement plan to EPA by March 31, 2015, based on assumptions in the existing DOH cash flow model. The plan will account for all sources of funds, including capitalization grants, state match, fees, repayments and interest earnings, and will include annual and cumulative disbursement targets for SFY 2016 and 2017.
17	Deadline for finalizing and adopting modifications to the SERP such that it complies with federal requirements.	April 30, 2015	SERP	The DOH requests a subsequent two (2) month extension of this deadline from April 30, 2015, to June 30, 2015, to submit the final modifications to the SERP to EPA for approval. This extension is due to the time needed for DOH to ensure legal review of the proposed modifications to the SERP.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
18	Submit a report (or final IUP) describing the DOH's plan for utilizing its full loan capacity in state fiscal year 2016, as determined using a cash flow model such as FOCUS that incorporates the DOH's project pipelines along with the counties' capital improvement plans. The report must describe (1) the DWTRLF's full loan capacity, which includes anticipated repayments as well as available funds (from capitalization grants, state match, fees, repayments and interest earnings); (2) the final commitment target for state fiscal year 2016 (the maximum amount the DOH can commit to executed assistance agreements) and (3) a list of projects from the 2016 fundable list sufficient to meet the final commitment target that are viable and ready to proceed within three to six months.	May 31, 2015	Loan Commitments	The DOH will submit the Final IUP for SFY 2016 to EPA by May 31, 2015. The IUP will describe (1) the DWTRLF's full loan capacity, which includes all available funds (from capitalization grants, state match, fees, repayments, interest earnings, and anticipated repayments); (2) the final commitment target for SFY 2016 (the maximum amount the DOH can commit to executed assistance agreements) and (3) a list of projects from the 2016 fundable list sufficient to meet the final commitment target that are viable and ready to proceed within three to six months.
19	Submit a list of all executed final assistance agreements made in state fiscal year 2015 to verify that the commitment target for state fiscal year 2015 was met by June 30, 2015.	July 31, 2015	Loan Commitments	The DOH will submit a list to EPA by July 31, 2015, which will include all executed final assistance agreements made in SFY 2015 to verify that the commitment target for SFY 2015 in CAP Item 7 was met by June 30, 2015.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
20	Submit evidence that the disbursement target set for state fiscal year 2015 was met by June 30, 2015. If future annual and cumulative disbursement targets need to be adjusted to meet the June 30, 2017, target, submit an analysis using a cash flow model to justify these changes.	July 31, 2015	Disbursements	The DOH will submit evidence to EPA by July 31, 2015, that the disbursement target set for SFY 2015 in CAP Item 8 was met by June 30, 2015, and will update the future disbursement target with new cash flow model data.
21	Submit evidence that the 15% set-aside achieved a cumulative spending rate of 75% by June 30, 2015.	July 31, 2015	Disbursements	The DOH will submit evidence to EPA by July 31, 2015, that the 15% set-aside achieved a cumulative spending rate of 75% by June 30, 2015.
22	Propose a commitment target for state fiscal year 2017 to use the state's full loan capacity (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings). Target must be calculated using a cash flow model such as FOCUS that incorporates the DOH's project pipelines along with the counties' capital improvement plans. If the EPA has not yet provided state allotments for 2016, the DOH should confer with the EPA regarding an estimated amount for the 2016 capitalization grant. Submit a list of projects from the state fiscal year 2017 fundable list (or draft IUP), sufficient to meet the proposed commitment target that are viable and ready to proceed within three to six months.	March 31, 2016	Loan Commitments	The DOH will submit to EPA by March 31, 2016, a commitment target for SFY 2017 to use the state's full loan capacity (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings). Target will be calculated using a cash flow model that incorporates the DOH's project pipelines along with the counties' capital improvement plans and will include a list of projects from the SFY 2017 fundable list (or draft IUP), sufficient to meet the proposed commitment target, that are viable and ready to proceed within three to six months.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
23	Submit a report (or final IUP) describing the DOH's plan for utilizing its full loan capacity in state fiscal year 2017, as determined using a cash flow model such as FOCUS that incorporates the DOH's project pipelines along with the counties' capital improvement plans. The report must describe (1) the DWTRLF's full loan capacity, which includes anticipated repayments as well as available funds (from capitalization grants, state match, fees, repayments and interest earnings); (2) the final commitment target for state fiscal year 2017 (the maximum amount the DOH can commit to executed assistance agreements); and (3) a list of projects from the 2017 fundable list sufficient to meet the final commitment target that are viable and ready to proceed within three to six months.	May 31, 2016	Loan Commitments	The DOH will submit the Final IUP for SFY 2017 to EPA by May 31, 2016. The report will describe (1) the DWTRLF's full loan capacity, which includes all available funds (from capitalization grants, state match, fees, repayments, interest earnings, and anticipated repayments); (2) the final commitment target for state fiscal year 2017 (the maximum amount the DOH can commit to executed assistance agreements); and (3) a list of projects from the 2017 fundable list sufficient to meet the final commitment target that are viable and ready to proceed within three to six months.
24	Submit a list of all executed final assistance agreements made in state fiscal year 2016 to verify that the commitment target for state fiscal year 2016 was met by June 30, 2016.	July 31, 2016	Loan Commitments	The DOH will submit a list to EPA by July 31, 2016, which will include all executed final assistance agreements made in SFY 2016 to verify that the commitment target for SFY 2016 in CAP Item 15 was met by June 30, 2016.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

Item	Action	Deadline	Action Area	DOH Commitment
25	Submit evidence that the disbursement target set for state fiscal year 2016 was met by June 30, 2016. If future annual and cumulative disbursement targets need to be adjusted to meet the June 30, 2017, target, the DOH shall submit an analysis using a cash flow model to justify these changes.	July 31, 2016	Disbursements	The DOH will submit evidence to EPA by July 31, 2016, that the disbursement target set for SFY 2016 in CAP Item 16 was met by June 30, 2016, and will update the future disbursement target with new cash flow model data.
26	Submit evidence that the 15% set-aside achieved a cumulative spending rate of 80% by June 30, 2016.	July 31, 2016	Disbursements	The DOH will submit evidence to EPA by July 31, 2016, that the 15% set-aside achieved a cumulative spending rate of 80% by June 30, 2016.
27	Achieve a balance of unliquidated federal funds, including set-asides, of no more than the sum of the federal capitalization grants for federal fiscal years 2015 and 2016.	June 30, 2017	Disbursements	The DOH will submit evidence to EPA by June 30, 2017, that the balance of unliquidated federal funds, including set-asides, is no more than the sum of the federal capitalization grants for FFY 2015 and 2016.
28	Submit a list of all executed final assistance agreements made in state fiscal year 2017 to verify that the commitment target for state fiscal year 2017 was met by June 30, 2017.	July 31, 2017	Loan Commitments	The DOH will submit a list to EPA by July 31, 2017, which will include all executed final assistance agreements made in SFY 2017 to verify that the commitment target for SFY 2017 in CAP Item 22 was met by June 30, 2017.
29	Submit evidence that the disbursement target set for state fiscal year 2017 was met by June 30, 2017.	July 31, 2017	Disbursements	The DOH will submit evidence to EPA by July 31, 2017, that the disbursement target set for SFY 2017 in CAP Item 16 was met by June 30, 2017, and will update the future disbursement target with new cash flow model data.
30	Submit evidence that the 15% set-aside achieved a cumulative spending rate of 80% by June 30, 2017.	July 31, 2017	Disbursements	The DOH will submit evidence to EPA by July 31, 2017, that the 15% set-aside achieved a cumulative spending rate of 80% by June 30, 2017.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)

The Drinking Water State Revolving Fund Corrective Action Plan is submitted on behalf of the Hawaii Department of Health pursuant to the U.S. EPA Region IX Notice of Non-Compliance, dated October 24, 2014.

Signature: Virginia Pressler

Name: Virginia Pressler, M.D.

Title: Director of Health

Date: January 30, 2015

**Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 3 - Attachment 1
Due January 30, 2015**

CAP Item 3	Submit a fund utilization plan for the 15% set-aside for each capitalization grant. The plan will identify the funds paid to date (with the associated project or activity being reimbursed), encumbered funds (with a schedule for expending the funds), and available funds (with a schedule for expending the funds).
DOH Commitment	<p>The DOH submits the fund utilization plan for the 15% set-aside for each capitalization grant in CAP Attachment 1. The plan uses a spreadsheet to identify the funds paid to date (with the associated project or activity being reimbursed), encumbered funds (with a schedule for expending the funds), and available funds (with a schedule for expending the funds).</p> <p>This is a one-time CAP submittal requirement which the DOH will continue to update and submit on a quarterly basis. Note that the values are as of January 15, 2015, mid-way through the reporting month.</p>

The DOH funds paid to date are listed on the following spreadsheet – DWSRF15%GrantYearFundingExpenditureSummary.AsOf20150115.xlsx. Each Capitalization Grant is identified with the related spending rate. The schedule for expending funds is listed in the “Outstanding Payments” portion of the table.

The FFY 2016 workplan overhead is budgeted to be \$562,386.00. The available funds to be encumbered are from:

FFY 2008 - \$595.15

FFY 2009 - \$413,695.96 + \$82,323.58 (12-034 unencumbered)

FFY 2010 - \$28,589.04 + \$2,980.02 (14-106 unencumbered)

FFY 2011 - \$15,641.26

A balance of \$18,561.04 is needed to meet the budget. The DOH will not request any funds from the DWSRF 15% Set-Aside in the *SFY 2016 & FFY 2015 Intended Use Plan*.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 3 - Attachment 1
Due January 30, 2015

DWSRF15%GrantYearFundingExpenditureSummary.AsOf20150115.xlsx

15% Set Aside FFY2004- FFY2014 - As of January 15, 2015

Using COMPASS #s as of 1/15/2015

FFY 2004 - 008207 (Expires 6/30/13)				FS99986505	04DG - 0 & 1 = EXPENDED
\$	72,474.58	Misc-FFY10-11 +portion 12 workplan		Various	Paid 10/01/09 - 1/31/12
\$	132,835.42	08-164 / 57034	6/3/2008	WHPP - County of Maui	Paid 07/11/2011 - 02/06/2012; zero balance
\$	165,000.00	09-114 / 58425	7/1/2009	University of Hawaii-OSDS	Paid 01/28/2010 - 05/01/2012
\$	460,000.00	10-116 / 58640	10/9/2009	RCAC - Technical Assistance	Paid 07/30/2010 - 07/27/2012; zero balance
\$	830,310.00	Paid to date	100%	Spending Rate	
\$	830,310.00	Grant award			
\$	-	Available Funds			
FFY 2005 - 009207 (Expires 6/30/2016)				FS99986506	06DG = EXPENDED
\$	53,779.00	Misc-FFY11-12 workplan + portion 13 workplan		Various	Paid 10/01/10 - 01/31/12
\$	74,801.18	09-114 / 58425	7/1/2009	University of Hawaii-OSDS	Paid 01/27/12-09/07/2012
\$	20,748.44	11-044 / 60099	4/26/2011	UH Contaminant Leaching Model	Paid 06/06/2012 - 08/28/2012
\$	144,771.00	10-116 / 58640	10/9/2009	RCAC - Technical Assistance	Paid 01/24/2012 - 10/23/2012
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 3/5/2013
\$	14,182.56	11-044/60099	4/26/2011	UH Contaminant Leaching Model	Paid 5/07/2013
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 7/08/2013
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 9/10/2013
\$	62,707.82	10-116 / 58640		RCAC - Technical Assistance	Paid 1/15/2014
\$	11,891.64	11-044/62390	10/24/2013	UH Contaminant Leaching Model	Paid 2/14/2014
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 3/14/2014
\$	4,000.00	14-106 / 62390		UH Contaminant Leaching Model	Paid 3/14/2014
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 6/04/2014
\$	4,168.36	14-106 / 62390		UH Contaminant Leaching Model	Paid 6/04/2014
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 10/01/2014
\$	62,500.00	10-116 / 58640		RCAC - Technical Assistance	Paid 12/11/2014
\$	828,550.00	Paid to date	100%	Spending Rate	
\$	828,550.00	Grant award			
\$	-	Available Funds			
FFY 2006 - 010207 (Expires 6/30/2017)				FS99986507	06DG
\$	300,000.00	12-060 / 33448	6/26/2012	Agilent Technologies - LCMS	Paid 06/01/2012; zero balance
\$	8,093.56	12-026 / 61163	6/3/2012	West Maui Land Co., Inc.	Paid 6/03/2013
\$	60,490.63	12-044 / 61135	7/8/2013	County of Hawaii - Dept. of Finance, Treasury Division -	Paid 7/8/2013
\$	17,398.45	12-026 / 61163	7/8/2013	West Maui Land Co., Inc.	Paid 7/8/2013
\$	866.62	12-026 / 61163	10/23/2013	West Maui Land Co., Inc.	Paid 10/23/2013
\$	83,439.37	12-044 / 61135	6/22/2012	County of Hawaii - Dept. of Finance, Treasury Division -	Paid 1/15/2014
\$	24,877.76	12-026 / 61163	1/15/2014	West Maui Land Co., Inc.	Paid 1/15/2014
\$	13,926.42	12-026 / 61163	3/14/2014	West Maui Land Co., Inc.	Paid 3/14/2014
\$	4,000.00	14-106 / 62390	6/4/2014	UH Contaminant Leaching Model	Paid 6/4/2014
\$	49,676.40	12-026 / 61163	6/20/2014	West Maui Land Co., Inc.	Paid 6/20/2014
\$	448.50	12-026 / 61163	6/20/2014	West Maui Land Co., Inc.	Paid 6/20/2014
\$	563,217.71	Paid to date	68%	Spending Rate	
\$	822,930.00	Grant award			
\$	259,712.29	Available Funds			
Outstanding Payments					
\$	200,000.00	15-033 / 63363		RCAC Tech Assist Circuit Rider	Project ends 9/30/2017
\$	59,712.29	12-026 / 61163	6/26/2012	West Maui Land Co., Inc.	ASO #12-026 Project extended to end 12/31/2014.
\$	259,712.29	Encumbered			
\$	0.00	No Balance to Encumber			

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Due January 30, 2015**

DWSRF15%GrantYearFundingExpenditureSummary.AsOf20150115.xlsx

15% Set Aside FFY2004- FFY2014 - As of January 15, 2015

Using COMPASS #s as of 1/15/2015

FFY 2007 - 011207 (Expires 6/30/2017)			FS99986508	07DG - 0
\$	435.49	Misc-FFY12 workplan	Various	Paid 2/1/2012
\$	3,383.60	Misc-FFY12 workplan	Various	Paid 5/8/2012
\$	1,626.68	Misc-FFY12 workplan	Various	Paid 6/1/2012
\$	325,207.50	12-060 / 33448	8/31/2011 Agilent Technologies - LCMS	Paid 6/26/2012
\$	7,964.73	Misc-FFY12 workplan	Various	Paid 8/14/2012
\$	2,023.13	Misc-FFY12 workplan	Various	Paid 8/30/2012
\$	1,899.84	Misc-FFY13 workplan	Various	Paid 10/11/2012
\$	2,301.21	Misc-FFY13 workplan	Various	Paid 11/6/2012
\$	1,315.81	Misc-FFY13 workplan	Various	Paid 12/11/2012
\$	171.20	Misc-FFY13 workplan	Various	Paid 7/8/2013
\$	8,259.22	12-116 / 61357	8/14/2012 County of Hawaii - Dept. of Water	Paid 10/23/2013
\$	142.42	Misc-FFY14 workplan	Various	Paid 12/6/2013
\$	39,991.25	12-044 / 61135	6/22/2012 County of Hawaii - Dept. of Finance, Treasury Division -	Paid 1/15/2014
\$	3,576.23	12-116 / 61357	County of Hawaii - Dept. of Water	Paid 1/15/2014
\$	65,176.65	13-013 / 61471	HRWA - Continuing Education	Paid 1/15/2014
\$	26,334.00	13-013 / 61471	HRWA - Continuing Education	1/28/2014
\$	66,078.75	12-044 / 61135	6/22/2012 County of Hawaii - Dept. of Finance, Treasury Division -	Paid 2/14/2014
\$	30,723.00	13-013 / 61471	HRWA - Continuing Education	Paid 3/14/2014
\$	7,872.08	12-116 / 61357	County of Hawaii - Dept. of Water	Paid 6/4/2014
\$	3,460.08	12-116 / 61357	County of Hawaii - Dept. of Water	Paid 6/4/2014
\$	26,334.00	13-013 / 61471	HRWA - Continuing Education	Paid 6/4/2014
\$	21,432.35	13-013 / 61471	9/28/2012 HRWA - Continuing Education	paid 10/1/2014
\$	27,529.14	12-116 / 61357	County of Hawaii - Dept. of Water	paid 12/11/2014
\$	9,036.08	12-116 / 61357	County of Hawaii - Dept. of Water	paid 12/11/2014
\$	682,274.44	Paid to date	83%	Spending Rate
\$	822,900.00	Grant award		
\$	140,625.56	Available Funds		
Outstanding Payments				
\$	95,812.03	12-116 / 61357	County of Hawaii - Dept. of Water	Project ends 12/31/2015.
\$	19,332.42	12-116 / 61357	County of Hawaii - Dept. of Water	to be paid 10/31/2014
\$	2,895.15	12-116 / 61357	County of Hawaii - Dept. of Water	to be paid 1/13/2015
\$	22,585.96	FFY15 workplan	Tasks 1 - 8	see FFY15-16.DrawdownCalculationsFor15%QtrReports.xls
\$	140,625.56	Encumbered		
\$	0.00	No Balance to Encumber		
FFY 2008 - 012207 (Expires 6/30/2018)			FS99986509	08DG - 0
\$	11,937.35	Misc-FFY12 workplan	Various	Paid 05/07/12 - 11/02/12
\$	3,434.47	Misc-FFY13 workplan	Various	Paid 12/11/2012
\$	3,699.43	Misc-FFY13 workplan	Various	Paid 3/21/2013
\$	65,584.20	13-013 / 61471	HRWA	Paid 5/07/2013
\$	7,127.72	12-117 / 61641	12/31/2012 County of Maui - Dept. of Water	Paid 6/03/2013
\$	36,209.25	13-013 / 61471	HRWA	Paid 7/08/2013
\$	35,112.00	13-013 / 61471	HRWA	Paid 9/10/2013
\$	9,353.24	12-117 / 61641	12/31/2012 County of Maui - Dept. of Water	Paid 10/23/2013
\$	6,545.80	12-117 / 61641	12/31/2012 County of Maui - Dept. of Water	Paid 1/15/2014
\$	1,818.40	Misc-FFY14 workplan	Various	Paid 12/06/2013
\$	5,474.32	12-117 / 61641	County of Maui - Dept. of Water	Paid 3/14/2014
\$	20,000.00	12-033 / 61691	Hawaiian Beaches Water Co.	paid 4/1/2014
\$	4,748.46	12-117 / 61641	County of Maui - Dept. of Water	Paid 6/20/2014
\$	4,180.70	12-117 / 61641	County of Maui - Dept. of Water	Paid 10/1/2014
\$	7,535.05	13-013 / 61471	HRWA - Continuing Education	Paid 10/1/2014
\$	32,530.28	12-117 / 61641	County of Maui - Dept. of Water	Paid 12/11/2014
\$	46,084.50	13-013 / 61471	HRWA - Continuing Education	Paid 12/11/2014
\$	301,375.17	Paid to date	25%	Spending Rate
\$	1,221,900.00	Grant award		
\$	920,524.83	Available Funds		
Outstanding Payments				
\$	184,149.90	13-013 / 61471	9/28/2012 HRWA - Continuing Education	^3yr contract (08.2012-07.2015), draws are \$48,000/quarter (average). Project ends 8/28/2015
\$	26,334.00	13-013 / 61471	9/28/2012 HRWA - Continuing Education	to be paid 12/18/2014; estimated draw 1/9/2015
\$	29,406.30	13-013 / 61471	9/28/2012 HRWA - Continuing Education	to be paid 1/16/2015
\$	648,420.82	12-117 / 61641	12/31/2012 County of Maui - Dept. of Water	Project ends 6/30/2015

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15% Set Aside FFY2004- FFY2014 - As of January 15, 2015

Using COMPASS #s as of 1/15/2015

\$	31,618.66	12-117 / 61641	12/31/2012	County of Maui - Dept. of Water	to be paid 1/15/2015
\$	919,929.68	Encumbered			
\$	595.15	Funds to Encumber			
FFY 2009 - 013207 (Expires 6/30/2019)		FS99986510		09DG - 0 & 1	
\$	177.60	Misc-FFY12 workplan		Various	Paid 05/07/2012
\$	887.20	Misc-FFY13 workplan		Various	Paid 1/17/2013
\$	170.20	Misc-FFY13 workplan		Various	Paid 7/08/2013
\$	2,625.00	12-034 / 61692	1/29/2013	Hawaiian Shores Community Association, Inc.	Paid 12/06/2013
\$	21,104.24	12-033 / 61691		Hawaiian Beaches Water Co., Inc.	Paid 4/1/2014
\$	9,021.67	12-034 / 61692		Hawaiian Shores Community Association, Inc.	Paid 5/9/2014
\$	628.12	12-034 / 61692	1/29/2013	Hawaiian Shores Community Association, Inc.	Paid 11/17/2014
\$	4,857.60	12-034 / 61692	1/29/2013	Hawaiian Shores Community Association, Inc.	Paid 11/17/2014
\$	544.03	12-034 / 61692	1/29/2013	Hawaiian Shores Community Association, Inc.	Paid 12/11/2014
\$	6,753.78	Misc-FFY15 workplan		Various?	Paid 12/11/2014
\$	46,769.44	Paid to date	4%	Spending Rate	
\$	1,221,900.00	Grant award			
\$	480,000.00	Amount moved back to loan fund			
\$	695,130.56	Available Funds			
Outstanding Payments					
\$	16,395.76	12-033 / 61691		Hawaiian Beaches Water Co., Inc.	Project ends 6/30/2015.
\$	82,323.58	12-034 / 61692	1/29/2013	Hawaiian Shores Community Association, Inc.	Project ends 12/31/2014. Unencumber balance to FFY16 workplan.
\$	182,715.26	FFY15 workplan		Tasks 1 - 8	see FFY15-16.DrawdownCalculationsFor15%QtrReports.xls
		FFY16 workplan		Tasks 1 - 8	see FFY15-16.DrawdownCalculationsFor15%QtrReports.xls
\$	281,434.60	Encumbered			
\$	413,695.96	Funds to Encumber			
FFY 2010 - 014207 (Expires 6/30/2017)		FS99986511		10DG - 0	
\$	2,136.96	Misc-FFY13 workplan		Various	Paid 2/5/2013
\$	101.89	Misc-FFY13 workplan		Various	Paid 1/18/2013
\$	879.40	Misc-FFY13 workplan		Various	Paid 12/11/2012
\$	1,303.86	Misc-FFY13 workplan		Various	Paid 11/6/2012
\$	1,316.80	Misc-FFY13 workplan		Various	Paid 10/11/2012
\$	27,923.61	Misc-FFY13 workplan		Various	Paid 3/5/2013
\$	23,435.66	Misc-FFY13 workplan		Various	Paid 3/27/2013
\$	4,459.89	Misc-FFY13 workplan		Various	Paid 5/7/2013
\$	63.28	Misc-FFY13 workplan		Various	Paid 5/7/2013
\$	501.40	Misc-FFY13 workplan		Various	Paid 6/03/2013
\$	20,798.54	Misc-FFY13 workplan		Various	Paid 7/08/2013
\$	3,757.20	Misc-FFY13 workplan		Various	Paid 8/08/2013
\$	14,798.18	Misc-FFY13 workplan		Various	Paid 9/10/2013
\$	14,960.96	12-117 / 61641		County of Maui - Dept. of Water	Paid 10/23/2013
\$	6,074.96	Misc-FFY14 workplan		Various	Paid 10/23/2013
\$	16,149.15	Misc-FFY14 workplan		Various	Paid 12/06/2013
\$	34,906.20	12-117 / 61641		County of Maui - Dept. of Water	Paid 1/15/2014
\$	2,113.15	Misc-FFY14 workplan + missing nickel		Various	Paid 1/15/2014
\$	13,128.30	Misc-FFY14 workplan		Various	Paid 1/28/2014
\$	53,319.21	12-117 / 61641		County of Maui - Dept. of Water	Paid 2/14/2014
\$	1,721.23	Misc-FFY14 workplan		Various	Paid 2/14/2014
\$	1,763.61	Misc-FFY14 workplan		Various	Paid 3/14/2014
\$	18,820.94	13-047 / 62556		Kawela Plantation Homeowners' Association	Paid 4/1/2014
\$	922.70	Misc-FFY14 workplan		Various	Paid 4/1/2014
\$	230,348.63	12-117 / 61641		County of Maui - Dept. of Water	Paid 5/9/2014
\$	11,179.63	Misc-FFY14 workplan		Various	Paid 5/9/2014
\$	17,435.99	14-106 / 62390		UH Contaminant Leaching Model	Paid 5/9/2014
\$	274.40	Misc-FFY14 workplan		Various	Paid 6/4/2014

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15% Set Aside FFY2004- FFY2014 - As of January 15, 2015

Using COMPASS #s as of 1/15/2015

\$	66,465.00	12-117 / 61641	County of Maui - Dept. of Water	Paid 6/20/2014
\$	2,323.59	13-038 / 61642	Kauai Department of Water - Project "WET"	Paid 6/20/2014
\$	10,802.40	Misc-FFY14 workplan	Various	Paid 6/20/2014
\$	3,150.53	Misc-FFY14 workplan	Various	Paid 10/1/2014
\$	514.99	14-106 / 62390	UH Contaminant Leaching Model	Paid 10/1/2014
\$	4,787.81	Misc-FFY14 workplan	Various - indirect	Paid 11/17/2014
\$	11,716.65	13-047 / 62556	Kawela Plantation Homeowners' Association	Paid 12/11/2014
\$	624,356.70	Paid to date	48%	Spending Rate
\$	1,304,530.00	Grant award		
\$	680,173.30	Available Funds		
Outstanding Payments				
\$	99,462.41	13-047 / 62556	Kawela Plantation Homeowners' Association	Project ends 12/31/2015.
\$	2,980.02	14-106 / 62390	10/24/2013 UH Contaminant Leaching Model	Unencumber balance to FFY16 workplan
\$	171,445.00	13-038 / 61642	Kauai Department of Water - Project "WET"	Project ends 12/31/2015.
\$	10,192.42	13-038 / 61642	Kauai Department of Water - Project "WET"	to be paid 7/11/2014
\$	17,504.41	13-038 / 61642	Kauai Department of Water - Project "WET"	to be paid 10/9/2014
\$	350,000.00	15-033 / 63363	RCAC Tech Assist Circuit Rider	Project ends 9/30/2017
		FFY16 workplan	Tasks 1 - 8	see FFY15-16.DrawdownCalculationsFor15%QtrReports.xls
\$	651,584.26	Encumbered		
\$	28,589.04	Funds to Encumber		
FFY 2011 - 015207 (Expires 6/30/2018)				
			FS99986512	11DG - 0 & 1
\$	158,896.99	12-117 / 61641	County of Maui - Dept. of Water	Paid 6/20/2014
\$	190,088.26	12-117 / 61641	County of Maui - Dept. of Water	Paid 10/1/2014
\$	18,275.44	Misc-FFY14 workplan	Various	Paid 10/1/2014
\$	15,331.19	Misc-FFY14 workplan	Various	Paid 10/1/2014
\$	11,182.11	Misc-FFY15 workplan	Various?	Paid 11/17/2014
\$	393,773.99	Paid to date	41%	Spending Rate
\$	952,030.00	Grant award		
\$	350,000.00	Amount moved back to loan fund		
\$	208,256.01	Available Funds		
Outstanding Payments				
\$	1,014.80	12-117 / 61641	County of Maui - implementation of	Project ends 6/30/2015
\$	191,600.00	15-033 / 63363	RCAC Tech Assist Circuit Rider	Project ends 9/30/2017
		FFY16 workplan	Tasks 1 - 8	see FFY15-16.DrawdownCalculationsFor15%QtrReports.xls
\$	192,614.80	Encumbered		
\$	15,641.21	Funds to Encumber		
FFY 2012 - 016207 (Expires 6/30/2019)				
			FS99986513	12DG - 0 = NO AWARD
\$	-	Paid to date	n/a	Spending Rate
\$	-	Grant award		
\$	-	Available Funds		
FFY 2013 - 017207 (Expires 6/30/2020)				
			FS99986514	13DG - 0 = NO AWARD
		Paid to date	n/a	Spending Rate
\$	-	Grant award		
\$	-	Available Funds		
FFY 2014 - 018207 (Expires 6/30/2021)				
			FS99986515	14DG - 0 = NO AWARD
		Paid to date	n/a	Spending Rate
\$	-	Grant award		
\$	-	Available Funds		

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15% Set Aside FFY2004- FFY2014 - As of January 15, 2015

Using COMPASS #s as of 1/15/2015

Grant Totals (FFY00-14)	\$ 8,005,050.00			10/27/2014 action plan	
Return to Loan Fund	\$ 830,000.00			1. spend down existing contracts	
Revised Grant Total	\$ 7,175,050.00			2. meet 75% spending rate by 6/30/2015	
Net Paid	\$ 4,270,627.45	60%	current spending rate = Net Paid / Revised Grant Total	3. option - transfer balance remaining in contracts to loan; use 430 account to fund the balance remaining by 12/31/2015 if not going to meet 80% spending rate by 6/30/2016	difference
Available Funds	\$ 2,904,422.55	\$ 2,904,422.55	OK - EPA COMPASS Tab in FFY15-16.DrawdownCalculationsFor15%QtrReports.xls		\$ -
Encumbered - FFY15 workplan - draws	\$ 212,055.00	\$ 212,055.00	OK - FFY15 Budget in FFY15-16.DrawdownCalculationsFor15%QtrReports.xls		\$ -
Balance of Encumbered Contracts	\$ 2,233,846.19	\$ 2,233,409.46	NOT OK - matches Estimated Contract Encumbered (top right this sheet)		\$ (436.73)
Unencumbered Funds	\$ 458,521.36	\$ 458,958.09	NOT OK - Balance available (COMPASS - Contract Encumbered this sheet)		\$ 436.73

	\$ 4,116,967.40	Estimated Cumulative Draws as of 6/30/2015	
	\$ 1,035,930.66	Estimated Difference in Draws from 10/2/2014 to 6/30/2015	
Net paid + est draw	\$ 5,306,558.11	74%	Estimated 6/30/2015 spending rate = Net Paid by 6/30/2015 / Revised Grant Total
	\$ 5,381,287.50	75%	amount needed to draw for 75% spending rate by 6/30/2015
	\$ 74,729.39	meets draw rate	amount needed to draw by 6/30/2015 to reach 75% spending rate
	\$ 5,740,040.00	80%	amount needed to draw for 80% spending rate by 6/30/2016 & 6/30/2017

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Budget from FFY15-16.DrawdownCalculationsFor15%QtrReports.(date).xlsx				
\$	212,055.00	FFY15 overhead		
\$	562,386.00	FFY16 overhead	\$ 543,824.96	\$ 18,561.04
\$	774,441.00	FFY15&16 overhead	balance available + unencumbered 12-034 & 14-106	= balance needed for FFY16

Distribution Est for Project	
Pre 3/2014	\$ -
3/31/2014	\$ 2,980.02
9/30/2014	\$ -
12/31/2014	\$ 158,431.63
6/30/2015	\$ 649,435.62
8/28/2015	\$ 213,556.20
12/31/2015	\$ 467,405.99
9/30/2017	\$ 741,600.00

\$ 810,847.27 drawn by 6/30/2015

\$ 680,962.19 drawn by 6/30/2016

\$ 2,233,409.46 ok matches outstanding below

Move unpaid draws (most requested after 12/31/2014) back to outstanding column

Projects	ASO Log no.	End Date	Funding Level	Payments*	Outstanding
1 UH CLEARS	11-044	9/30/2012	\$ 34,931.00	\$ 34,931.00	\$ -
2 UH CLERS Model and Script	14-106	3/31/2014	\$ 45,000.00	\$ 42,019.98	\$ 2,980.02
3 West Maui Land WHPP	12-026	12/31/2014	\$ 175,000.00	\$ 115,287.71	\$ 59,712.29
4 Lanai (\$250,000)	13-037			\$ -	
5 COH WHP	12-116	6/30/2015	\$ 200,000.00	\$ 59,732.83	\$ 140,267.17
6 COH Honokaa	12-044	9/30/2014	\$ 250,000.00	\$ 250,000.00	\$ -
7 RCAC	10-116	9/30/2014	\$ 1,250,000.00	\$ 1,250,000.00	\$ -
8 Hawaiian Beaches WHP	12-033	6/30/2015	\$ 57,500.00	\$ 41,104.24	\$ 16,395.76
9 Hawaiian Shores WHP	12-034	12/31/2014	\$ 100,000.00	\$ 17,676.42	\$ 82,323.58
10 County of Maui WHP	12-117	6/30/2015	\$ 1,500,000.00	\$ 850,564.38	\$ 649,435.62
11 Kawela Plantation WHP	13-047	12/31/2015	\$ 130,000.00	\$ 30,537.59	\$ 99,462.41
12 Kauai WHPP (\$200,000)	12-025	6/30/2015		\$ -	\$ -
13 County of Kauai WET	13-038	12/31/2015	\$ 230,000.00	\$ 2,323.59	\$ 227,676.41
14 HRW	13-013	8/28/2015	\$ 600,415.20		
				\$ 386,858.00	\$ 213,556.20
15 RCAC	15-033	9/30/2017	\$ 741,600.00	\$ -	\$ 741,600.00
Total encumbered costs for projects			\$ 5,314,446.20	\$ 3,081,036.74	\$ 2,233,409.46

* Payments taken from quarterly reports

to be extended to
these dates - use
in this table
above

Available Funding	\$ 4,371,781
Less Projects	\$ 2,233,409
True Available	\$ 2,138,372

FFY10-12 Workplan costs (10/1/2009 - 9/30/2012)

\$ 72,474.58	Misc-FFY10-11 +portion 12 workplan	008207	Various	Paid 10/01/09 - 1/31/12
\$ 53,779.00	Misc-FFY11-12 workplan + portion 13 workplan	009207	Various	Paid 10/01/10 - 01/31/12
\$ 435.49	Misc-FFY12 workplan	011207	Various	Paid 2/1/2012
\$ 3,383.60	Misc-FFY12 workplan	011207	Various	Paid 5/8/2012
\$ 1,626.68	Misc-FFY12 workplan	011207	Various	Paid 6/1/2012
\$ 7,964.73	Misc-FFY12 workplan	011207	Various	Paid 8/14/2012
\$ 2,023.13	Misc-FFY12 workplan	011207	Various	Paid 8/30/2012
\$ 11,937.35	Misc-FFY12 workplan	012207	Various	Paid 05/07/12 -
\$ 153,624.56				

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FFY13 Workplan costs (10/1/2012 - 9/30/2013)

Qtrly Subtotals

\$	1,899.84	Misc-FFY13 workplan	011207	Various	Paid 10/11/2012		
\$	1,316.80	Misc-FFY13 workplan	014207	Various	Paid 10/11/2012		
\$	2,301.21	Misc-FFY13 workplan	011207	Various	Paid 11/6/2012		
\$	1,303.86	Misc-FFY13 workplan	014207	Various	Paid 11/6/2012		
\$	1,315.81	Misc-FFY13 workplan	011207	Various	Paid 12/11/2012		
\$	879.40	Misc-FFY13 workplan	014207	Various	Paid 12/11/2012		
\$	3,434.47	Misc-FFY13 workplan	012207	Various	Paid 12/11/2012	\$	12,451.39
\$	887.20	Misc-FFY13 workplan	013207	Various	Paid 1/17/2013		
\$	101.89	Misc-FFY13 workplan	014207	Various	Paid 1/18/2013		
\$	2,136.96	Misc-FFY13 workplan	014207	Various	Paid 2/5/2013		
\$	27,923.61	Misc-FFY13 workplan	014207	Various	Paid 3/5/2013		
\$	3,699.43	Misc-FFY13 workplan	012207	Various	Paid 3/21/2013		
\$	23,435.66	Misc-FFY13 workplan	014207	Various	Paid 3/27/2013	\$	58,184.75
\$	4,459.89	Misc-FFY13 workplan	014207	Various	Paid 5/7/2013		
\$	63.28	Misc-FFY13 workplan	014207	Various	Paid 5/7/2013		
\$	501.40	Misc-FFY13 workplan	014207	Various	Paid 6/03/2013	\$	5,024.57
\$	20,798.54	Misc-FFY13 workplan	014207	Various	Paid 7/08/2013		
\$	171.20	Misc-FFY13 workplan	011207	Various	Paid 7/8/2013		
\$	170.20	Misc-FFY13 workplan	013207	Various	Paid 7/08/2013		
\$	3,757.20	Misc-FFY13 workplan	014207	Various	Paid 8/08/2013		
\$	14,798.18	Misc-FFY13 workplan	014207	Various	Paid 9/10/2013	\$	39,695.32
\$	115,356.03					\$	115,356.03

FFY14 Workplan costs (10/1/2013 - 9/30/2014)

Qtrly Subtotals

\$	6,074.96	Misc-FFY14 workplan	014207	Various	Paid 10/23/2013		
\$	16,149.15	Misc-FFY14 workplan	014207	Various	Paid 12/06/2013		
\$	1,818.40	Misc-FFY14 workplan	012207	Various	Paid 12/06/2013		
\$	142.42	Misc-FFY14 workplan	011207	Various	Paid 12/6/2013	\$	24,184.93
\$	2,113.15	Misc-FFY14 workplan + missing nickel	014207	Various	Paid 1/15/2014		
\$	13,128.30	Misc-FFY14 workplan	014207	Various	Paid 1/28/2014		
\$	1,721.23	Misc-FFY14 workplan	014207	Various	Paid 2/14/2014		
\$	1,763.61	Misc-FFY14 workplan	014207	Various	Paid 3/14/2014	\$	18,726.29
\$	922.70	Misc-FFY14 workplan	014207	Various	Paid 4/1/2014		
\$	11,179.63	Misc-FFY14 workplan	014207	Various	Paid 5/9/2014		
\$	274.40	Misc-FFY14 workplan	014207	Various	Paid 6/4/2014		
\$	10,802.40	Misc-FFY14 workplan	014207	Various	Paid 6/20/2014	\$	23,179.13
\$	18,275.44	Misc-FFY14 workplan	015207	Various	Paid 10/1/2014		
\$	15,331.19	Misc-FFY14 workplan	015207	Various	Paid 10/1/2014		
\$	3,150.53	Misc-FFY14 workplan	014207	Various	Paid 10/1/2014		
\$	4,787.81	Misc-FFY14 workplan	014207	Various - indirect	Paid 11/17/2014	\$	41,544.97
\$	107,635.32					\$	107,635.32

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 3 - Attachment 1
Due January 30, 2015

DWSRF15%GrantYearFundingExpenditureSummary.AsOf20150115.xlsx

FFY15 Workplan costs (10/1/2014 - 9/30/2015)

Qtrly Subtotals

\$	6,753.78	Misc-FFY15 workplan	013207	Various	Paid 12/11/2014		
\$	11,182.11	Misc-FFY15 workplan	015207	Various?	Paid 11/17/2014		
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various		\$	17,935.89
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various		\$	-
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various		\$	-
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various			
		Misc-FFY15 workplan		Various		\$	-
\$	17,935.89					\$	17,935.89

Distribution Est for Project as of	
6/30/2015	
Pre 3/2014	\$ -
3/31/2014	\$ 2,980.02
9/30/2014	\$ -
12/31/2014	\$ 82,323.58
6/30/2015	\$ -
8/28/2015	\$ 150,415.20
12/31/2015	\$ 205,000.00
9/30/2017	\$ 576,600.00

to be unencumbered, apply to operational expenses

to be unencumbered, apply to operational expenses

\$ 85,303.60 drawn by 6/30/2015

\$ 355,415.20 drawn by 6/30/2016

\$ 1,017,318.80 ok matches outstanding below

Estimated Draws as of 6/30/2015

Projects	ASO Log no.	End Date	Funding Level	Payments*	Outstanding
1 UH CLEARS	11-044	9/30/2012	\$ 34,931.00	\$ 34,931.00	\$ -
2 UH CLERS Model and Script	14-106	3/31/2014	\$ 45,000.00	\$ 42,019.98	\$ 2,980.02
3 West Maui Land WHPP	12-026	12/31/2014	\$ 175,000.00	\$ 175,000.00	\$ -
4 Lanai (\$250,000)	13-037			\$ -	\$ -
5 COH WHP	12-116	6/30/2015	\$ 200,000.00	\$ 150,000.00	\$ 50,000.00
6 COH Honokaa	12-044	9/30/2014	\$ 250,000.00	\$ 250,000.00	\$ -
7 RCAC	10-116	9/30/2014	\$ 1,104,771.00	\$ 1,104,771.00	\$ -
8 Hawaiian Beaches WHP	12-033	12/31/2014	\$ 57,500.00	\$ 57,500.00	\$ -
9 Hawaiian Shores WHP	12-034	12/31/2014	\$ 100,000.00		
				\$ 17,676.42	\$ 82,323.58
10 County of Maui WHP	12-117	6/30/2015	\$ 1,500,000.00	\$ 1,500,000.00	\$ -
11 Kawela Plantation WHP	13-047	12/31/2015	\$ 130,000.00	\$ 75,000.00	\$ 55,000.00
12 Kauai WHPP (\$200,000)	12-025			\$ -	\$ -
13 County of Kauai WET	13-038	12/31/2015	\$ 230,000.00	\$ 130,000.00	\$ 100,000.00
14 HRW	13-013	8/28/2015	\$ 600,415.20		
				\$ 450,000.00	\$ 150,415.20
15 RCAC	15-033	9/30/2017	\$ 741,600.00	\$ 165,000.00	\$ 576,600.00
Total encumbered costs for projects			\$ 5,169,217.20	\$ 4,116,967.40	\$ 1,017,318.80

* Payments taken from quarterly reports; estimated draws if highlighted in yellow

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 4 - Attachment 2
Due January 30, 2015

FFY15-16 DWSRF 15% Set-Aside Workplan Quarterly Report as of January 15, 2015
Cumulative to FFY2015 First Quarter (October 1, 2014 – December 31, 2014)

CAP Item 4	Submit a summary of all 15% set-aside projects including recipient, project outcomes/outputs, funding level, project period and project status.
DOH Commitment	<p>The DOH submits CAP Attachment 2 which is a summary of all 15% set-aside projects including recipient, project outcomes/outputs, funding level, project period and project status.</p> <p>This is a one-time CAP submittal requirement which the DOH will continue to update and submit on a quarterly basis per the approved workplan. Note that the values are as of January 15, 2015, mid-way through the reporting month.</p>

Note: Best to print on 11x17 size paper. Changes to letter size at Page CAP4-10.

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FFY 2015 Workplan Summary

Workplan Task	FFY 2015 Spending Rate *	Status	Plan to meet goal
1. Administration Program	23%	Quarterly Reports submitted. Vacant positions not yet filled. Contract management on-going via D.Chang overtime. Revision of WHP-FAP application on-going – no RFP issued in 2014.	DOH has made advertising the SDWB vacant positions a priority to meet the 3/31/2015 CAP deadline. WHP-FAP application to be revised by 3/31/2015. Program determined that RFP not needed if requesting procurement exemption through 12/31/2020. . Work with SDWB staff and EPA to revise FFY 2015-2016 Workplan by 3/31/2015.
2. Protection Program	9%	Source Water Assessments of Drinking Water Sources done as requested.	Develop and implement guidelines to prepare plans. Continue to meet with other water-related programs (Task #3). Revise and obtain EPA approval on GW QAPrgP to conduct monitoring program.
3. Project Review Program	14%	Discussions with other water-related programs on-going.	Continue to meet with DLNR-CWRM; CWB, WWB, SHWB; HEER; DOA; County water departments; small systems.
4. Laboratory Capability and Certification Program	7%	Water Reuse portion of QAPP undergoing additional review and revision. LCMS maintenance on-going.	Various SLD staff to utilize LCMS for various projects. SLD staff to train to do same methods for CLERS contaminant list and atrazine and degradation products.
5. Data Management Program	0%	Coordinated sharing of data as requested.	Water system to distribute SWAP zone delineation data as requested. SDWB to distribute only if permission granted by water system. GIS continued to be used within EMD, not shared to non-water system personnel. PCA to County water departments.
6. Emergency Response Program	(no budget)	No activities in FFY 2015.	FFY 2016 plan is to assist water systems with contingency plans. Utilize circuit riders to develop protection plans.
7. Training and Technical Assistance Program	5%	Hawaii Water Works Conference held in October 2014 with SWAP presentations/discussions.	Planning to co-host NEMA Contaminant Transport in Soil and Groundwater Workshop on 4/13-14/2015 (other government agencies and consultants invited to attend). Begin planning 3 rd Annual Joint Government Water Conference for August 2015.
8. Public Participation Program	19%	<i>The Water Spot</i> distributed in January 2015. Statewide Project WET planning on-going.	Coordinating Project WET events to be held on Hawaii Island and Molokai by 6/30/2015 (ASO Log Nos. 13-038; 12-116; and 13-047).

Note: * Spending Rate = Cumulative Drawdown/Budget Amount.

- 1. Administration Program Table**
- Objective: To administer general programmatic supervisory functions to ensure the effective implementation.. To ensure timely grant award, timely submittal of reports, documenting progress, appropriate use of federal funds.
- Outcomes: Sufficient resources to accomplish required tasks. Proper authority to fulfill program mission, goals and objectives. Sound planning to address future issues. Adequate reporting to assure proper oversight and compliance with requirements.

1. Administration Program Task/Output & Deliverable FY15 - \$35,485; FY16 - \$103,939	Schedule	Measure of Success
1) Amend FFY15-16 Workplan and Budget – <i>Amended Work plan and Budget (J. Seto, Program Specialist)</i>	a) Draft: 3/31 2015 b) Final: 5/15/ 2015	Submittal of amended Workplan on time.
2) Prepare FFY17-18 Workplan and Budget - <i>Workplan and Budget (J. Seto, Program Specialist)</i>	5/15/2016	On-time submittal.
3) Program Oversight and Management – <i>Deliverable: Quarterly WHP status reports(J. Seto, D. Chang, Program Specialist)</i>	Quarterly report to EPA 30 days after quarter ends: 1/31/2015; 4/30/2015; 7/31/2015; 10/31/2015; 1/31/2016; 4/30/2016; 7/31/2016; 10/31/2016	On-time submittal.
4) Establish and hire Geologist 1 and Program Specialist IV positions to assist with wellhead protection/source water protection program. Establish Chemist IV position to assist with wellhead protection/source water protection program. -- <i>Deliverable: notification of filled positions. (J. Seto, N. Uehara, D. Chang)</i>	3/31/2015 (pending completion of position description approval and interviews). Chemist IV position – 3/31/2016.	Positions filled. Note: NNC-CAP Item #13 requires advertisement of all three (3) positions by 3/31/2015.
5) Quarterly meeting/conference with EPA Projects Officer to report progress on obligations/commitments. -- <i>Deliverable: Meeting notes (J. Seto)</i>	On or after submittal of quarterly report to EPA 30 days after quarter ends: 1/31/2015; 4/30/2015; 7/31/2015; 10/31/2015; 1/31/2016; 4/30/2016; 7/31/2016; 10/31/2016	Meeting held.

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 4 - Attachment 2
Due January 30, 2015

FFY15-16 DWSRF 15% Set-Aside Workplan Quarterly Report as of January 15, 2015
Cumulative to FFY2015 First Quarter (October 1, 2014 – December 31, 2014)

1. Administration Program Task/Output & Deliverable FY15 - \$35,485; FY16 - \$103,939	Schedule	Measure of Success
6) <u>Source Water Protection – Financial Assistance Plan (FAP) (D. Chang, WHP Geologist, Program Specialist, J. Seto)</u> a) Manage Hawaii Source Water Protection - Financial Assistance Program to allow for the use of 15 % DWSRF funds for wellhead protection activities including the implementation of funding mechanism(s) and selection process for funding Source Water Protection Projects. <i>Proposed schedule for negotiating new projects and discussion on how these projects link to overall set-aside goals/priorities.</i> b) Develop and negotiate WHP-FAP contracts for the County Water Departments, Government Agencies, and private water systems. Contracts will provide financial assistance for development of protection strategies/plans and implementation of protection activities. This includes travel to Neighbor Islands to negotiate with Neighbor Island water suppliers. - <i>Proposed schedule for negotiating new projects and discussion on how these projects link to overall set-aside goals/priorities.</i> c) Revise FAP. <i>Advertise funding opportunities and/or continue to reach out directly to entities to gauge interest, eligibility and negotiate projects/funding level for when funding becomes available.</i> [See Fund Utilization Plan Table (Work Plan page 5)]	a) 10/1/2014-9/30/2016 Continue to manage existing contracts through their expiration dates. b) List of projects by 9/30/2015 for contracts to be issued by 10/1/2016. c) Revised FAP Application by 6/30/2015.	a) Successful completion of projects meeting all identified contracted tasks. [Deliverable: summary of project accomplishments & environmental outcomes.] b) Successful development of list of potential projects for future contracts for award in SFY16 when 15% Set-Asides are taken in capitalization grant. [Deliverable: list of proposed projects to fund and criteria to prioritize for funding.] c) Successful revision of FAP Application and advertisement of available funds. [Deliverable: revised FAP Application]
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
<u>PROGRAM ADMINISTRATION</u> 10/4-5: 15% DWSRF WHP Quarterly Report (July-September 2014). 10/06: Discussion with auditor on sole source procurement waiver for WHP-FAP Projects. 10/25: Revise HI SWP Factsheet. 10/25-26 Review Letter of Non-Compliance and Management Study for DWSRF Program, as pertaining to DWSRF 15% Set-Aside. 10/27: Meeting with Michael Montgomery/Susan Polanco/Kate Rao (EPA) and Sina Pruder (WWB) on SWAP and OSDS. 10/27: SDWB Meeting on FY2015-16 Budget, Contracts, and 15%DWSRF CAP to Letter of Non-Compliance. 11/12-13: Discussions with Ephraim Leon-Guerrero (EPA) on SWP Target Numbers. 12/05: Discussion with Ephraim Leon-Guerrero on EPA/States SWP Conference Call. 12/13-14: Prepare for EPA Region 9/States Source Water Protection Conference Call. 12/17: Discussion with Ephraim Leon-Guerrero on EPA/States SWP Conference Call Agenda and 15%DWSRF WHP/SWP Program Activities. 12/18: EPA R9/States SWP Conference Call. 12/26: Work with Nancy Barter (ERO) on list of existing contracts (15%DWSRF) for budget briefing table. <u>Program Staffing Positions</u> <u>Chemist IV</u> 10/2014: Draft reorganization concept memorandum for Safe Drinking Water Branch and Environmental Health Analytical Services Branch submitted to DOH-Personnel. <u>HRWA Source Water Protection Grant (USDA-FSA)</u> 10/01: Discussion with Tui Anderson (HRWA) on impact of lava flow on water sources (well protection). 12/15: Discussion with Tui Anderson (HRWA) on Maui Water Quality Events in January 2015. <u>WHP-FAP CONTRACT MANAGEMENT</u> 12/2014: Contract/Project Management for active WHP-FAP Projects (ASO 12-026, 12-033, 12-116, 12-117, 13-038 & 13-047). ASO 12-026: West Maui Land Company (WMLC) 11/21: Discussion with Dave Minami (WMLC) on WHP-FAP Contract (ASO 12-026) activities/tasks status and contract expiration on 12/31/2014 (expected to complete reservoir fencing and part of OSDS EIM Program). . ASO 12-033: Hawaiian Beaches Water Company (HBWC) 11/19: Text Kate Drago (HBWC) on WHP-FAP grant – expires on 12/31/2014 and expired Certificate of Insurance. 11/20: Discussion with Kate Drago on WHP=FAP grant (does HBWC want a contract extension to complete project tasks). 11/2014: Work on draft Modification #1 for ASO 12-033 (Hawaiian Beaches). 12/19: Email Request from HBWC received for Extension to Contract ASO 12-033. 12/2014: Work on final draft Modification #1 for ASO 12-033 (Hawaiian Beaches) – received extension request from HBWC. 12/29: Contract Modifications Prepared (completed) and Submitted to ASO for Contract Extension. ASO 12-116: Hawaii Department of Water Supply (HDWS) 10/01: Meeting with Kawika Uyehara (HDWS) on WHP/SWP activities. 10/15: Discussion with Kanani Aton (HDWS) on Project WET on Big Island. 11/17: Discussion with Mae Kise (HDWS) on Source Water Monitoring. 12/01: Discussion with Kawika Uyehara on source water monitoring presentation at End-of-Year Monitoring Meeting. 12/13-14: Prepare for meetings with HDWS (Source Water Monitoring QA). 12/15: Meeting with Kawika Uyehara (HDWS) SWP Program (QA Requirements for Source Water Monitoring & program tasks updates). 12/22: Discussion with Mae Kise on QA requirements for Source Water Monitoring. ASO 12-117: Maui Department of Water Supply (MDWS) 10/2014: Drafting Modification #2 for ASO 12-117 (MDWS) – extension to 6/30/15. 10/19: Reviewing MDWS SWP Easement and OSDS Plans. 11/07: Discussion with Eva Blumenstein (MDWS) on WHP Program Grant Contract Modification (extension). 11/28: Discussion with Eva Blumenstein (MDWS) on WHP Program Grant Contract Modification (extension) for easements (final determination by end of December 2014) otherwise move funding to OSDS upgrades (cesspools in SWAP-CZB) – may require contract modification. 11/2014: Final draft Modification #2 for ASO 12-117 (MDWS) – extension to 6/30/15 – Submitted to ASO. 12/05: Discussion with Eva Blumenstein on WHP-FAP grant tasks and meeting/site visit to easement and OSDS projects. 12/12: Discussion with Eva Blumenstein on WHP meeting/site visit (Eva Blumenstein is new Planning & Water Resources Program Manager). 12/19: Discussion with Eva Blumenstein on ASO 12-117-M2 Contract Extension and 12/22/14 Meeting/Site Visit. 12/20-21: Prepare for meeting with MDWS on WHP-FAP Projects and site visits to project sites. 12/22: Meeting with Eva Blumenstein/Alex Butaro (MDWS) on WHP-FAP grant tasks (easement and OSDS projects), future program funding, and update of wellhead protection ordinance. 12/27: Review MDWS WHP – Revised Cesspool/OSDS Replacement Program. 12/2014: ASO 12-177-M2 Approved. On-going: Discussions with MDWS on Maui Water Department Wellhead Protection Sign Phone Number (who’s number will be listed – DOH or MDWS?) ASO 13-038: Kauai Department of Water (KDOW) 10/17: Meeting with KDOW/HDWS/HRWA/AWWA on direction of Project WET and project events on Big Island and Molokai. 11/14: Discussion with Kanani Aton (HDWS) on conducting mini-Make A Splash Events (Project WET) on Big Island.		

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 4 - Attachment 2
Due January 30, 2015

FFY15-16 DWSRF 15% Set-Aside Workplan Quarterly Report as of January 15, 2015
Cumulative to FFY2015 First Quarter (October 1, 2014 – December 31, 2014)

1. Administration Program Task/Output & Deliverable FY15 - \$35,485; FY16 - \$103,939	Schedule	Measure of Success
11/29-30: Work on Project WET activities (review/comment on draft plan for mini-Make A Splash events). 12/01: Discussion with Kimberly Tamaoka (KDOW) on planning mini Make A Splash events on Big Island. 12/13-14: Prepare for meetings with KDOW/HDWS/HRWA on Project WET (mini Make-A-Splash events for Hawaii - Spring/Summer 2015). 12/15: Meeting with KDOW/HDWS/HRWA to discuss planning of Project WET (mini Make A Splash Events) on Big Island (Hilo area). ASO 13-047: Kawela Plantation Homeowners' Association (KPHA) 10/15: Discussion with Juanita Colon (KPHA) on WHP-FAP contract extension, OSDS Training and Project WET activities on Molokai. 10/2014: Drafting Modification #1 for ASO 13-047 (KPHA) – extension to 12/31/15. 11/10: Assist Mary with information requested by ASO for procurement audit (Kawela Plantation – WHP grant). 11/2014: Final draft Modification #1 for ASO 13-047 (KPHA) – extension to 12/31/15 – Submitted to ASO. 12/2014: ASO 13-047-M1 Approved. ASO 14-106: University of Hawaii 10/25: Finalize Project Completion Report for ASO 14-106 CLERS Project. Drawdown: \$8,000		

2. Protection Program Table

Objectives: To provide protection of wellhead/source water protection areas.

Outcomes: Limit risks to drinking water sources by ensuring that all sources (existing, new and proposed) have SWAs.

2. Protection Program Task/Output & Deliverable Cost – FY15 - \$21,165; FY16 - \$60,492	Schedule	Measure of Success
1) <u>Source Water Assessments (WHP Geologist)</u> a) Conduct Source Water Assessments of New Drinking Water Sources, including: i) delineations of source water assessment/protection areas ii) potential contamination source inventories. iii) Susceptibility analysis of the water source to contamination activities through a SWAP Maintenance and Update Contract. <i>Source water assessments for new and proposed drinking water sources</i> b) Maintain and update existing Source Water Assessments, as new data and information become available. – <i>Maintenance and update of existing Source Water Assessments.</i>	a) Conducted as new sources are identified by consultants. b) Submit report on previous quarter in quarterly report.	a) New SWAP completed within 6 months of request for determination. [Deliverable: updated GIS SWA data layer and summary of SWAP findings.] b) Report submitted on-time and indicates availability of any new data and/or information.[Deliverable: updated GIS SWA data layer and summary of update to previous SWAP.]
2) <u>Source Water/Wellhead Protection Plans(WHP Geologist)</u> a) Develop and implement established guidelines and procedures for water systems to prepare Source Water/Wellhead Protection Plans and conduct Wellhead Protection planning and implementation activities. – [Deliverable - <i>Guidelines and procedures for preparing protection plans.</i> b) Work with water systems on preparing/developing Source Water/Wellhead Protection Plans, including: i) Prepare Source Water/Wellhead Protection Plans ii) Provide technical assistance on protective measures for protecting drinking water sources from contamination. <i>Source water/wellhead protection plans and technical assistance for drinking water sources/systems.</i> c) Work with water systems on the implementation of protection plans. – <i>Implementation of protection plans.</i>	a) Guidelines developed by 9/30/2015; implemented by 12/31/2015. b) 1 PWS per calendar quarter as requested by water systems – starting 12/31/2013. c) 1 PWS per calendar quarter as requested by water systems – starting 12/31/2013.	a) Submittal of guidelines on-time. b) Completion of SWP/WHP Plan on time. c) Implementation of SWP/WHP on schedule.
3) <u>Potential Contaminating Activities (PCA) (WHP Geologist)</u> a) Implement On-Site Disposal System (OSDS) Priority Criteria and Inspection Protocol for SWAP Areas b) Assist Department of Agriculture (DOA) programs with pesticide activities within SWAP areas. Attendance at meeting/conference call.	a) 12/31/2015-9/30/2016 b) 12/31/2015-9/30/2016	a) On-going technical assistance. b) Meetings as scheduled with DOA and State Labs Division.
4) <u>Water Quality Monitoring (D. Chang, Chemist)</u> a) Identify parameter list of target compounds to analyze based on PCAs within SWAP-capture zone. b) Conduct water quality monitoring program for potential contaminants within SWAP capture zone.	a) Draft list by 4/30/2015 b) Start by 1/1/2016	a) Completed list to start analyzing compounds. b) Development of contaminants list for Water Reuse Project. Submit revised list in GW QAPrgP by 4/30/2015.
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
SOURCE WATER ASSESSMENTS 11/2014: Conducted preliminary SWAP Capture Zone delineations for Maui Department of Water Supply (Ola'i 1&2). 12/2014: Conducted SWAP Capture Zone delineations for Maui Department of Water Supply (Kealahou). POTENTIAL CONTAMINATION ACTIVITIES (PCA) 11/2014: Draft outline for use of WHP-FAP(15%DWSRF) grants to upgrade cesspools in SWAP Zone B. Drawdown: \$2,000		

Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 4 - Attachment 2
Due January 30, 2015

FFY15-16 DWSRF 15% Set-Aside Workplan Quarterly Report as of January 15, 2015
Cumulative to FFY2015 First Quarter (October 1, 2014 – December 31, 2014)

3. Project Review Program Table

Objectives: To assure the delivery of acceptable water quality from new source developments, and modifications to new and existing drinking water systems through the State's review process. To provide protection through the development of comments and recommendations on projects which may impact groundwater in existing or future source water or wellhead protection areas.

Outcomes: All new sources, new or modified distribution systems and treatment systems for PWSs will be capable of providing safe water meeting safe drinking water standards. All reviewed projects will be informed of drinking water concerns and applicability to their proposals

3. Project Review Program Task/Output & Deliverable Cost – FY15 - \$21,165; FY16 - \$65,715	Schedule	Measure of Success
1) Evaluate new and revised Safe Drinking Water Program requirements. Develop and implement program linkages with source water assessment results. – (J. Seto) <i>Program review of how source water assessments can be integrated into other Safe Drinking Water Rules and requirements.</i>	Draft list by -9/30/2015	Completion of substantial list and ideas.
2) Engage in discussions with federal, state, county, and stakeholder organizations responsible for related programs to identify potential water protection measures. – (J. Seto, WHP Geologist) <i>Program review of how source water assessments can be integrated into other water protection rules and requirements.</i>	Draft meeting schedule w/ organizations by 9/30/2015 Conduct meetings by 12/31/2015	Meetings scheduled and conducted by deadlines. Water protection measures identified. Examples of agencies/organizations: DLNR-CWRM; SHWB; CWB; DLNR-EngDiv; watershed groups.
3) Identify opportunities to integrate SWAP data with existing water protection activities and promote linkages with other regulatory/non-regulatory programs. (J. Seto)	Draft list of ideas/programs by 9/30/2015	List developed and start next step (#2 above).
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
Department of Land and Natural Resources (DLNR) 11/2014: Work on Agenda for SDWB/CWRM Coordination Meeting and Prepare materials for SDWB/CWRM Coordination Meeting. 11/24: SDWB/CWRM Coordination Meeting. 11/2014: Review DLNR proposals for SWP projects. Branch Chief attended meeting with DLNR and DOH-CWB.		
Department of Health – Clean Water Branch, Polluted Runoff Control Program 12/2014: Identify SWP areas in any of the priority watersheds which are listed in the DOH-CWB Polluted Runoff Control Program Implementation RFP. Provide information/map (Hanalei Watershed) to Ephraim Leon-Guerrero. Drawdown: \$3,000		

4. Laboratory Capability and Certification Program Table

Objectives: Establish and maintain the capability to perform the laboratory analyses for the contaminants required in the PWSSP and the GWP as resources permit. Maintain a laboratory certification program.

Outputs: Sufficient certified laboratory capability (state and private) is available to ensure all analytical needs of PWSs in Hawaii are met.4

4. Laboratory Capability and Certification Program Task/Output & Deliverable Cost – FY15 - \$15,000; FY16 - \$143,064	Schedule	Measure of Success
1) Develop monitoring program to test for potential contaminants based on identified PCAs in Source Water-Capture Zones. Include as part of Groundwater/Drinking Water Monitoring Strategy/Plan. – <i>Monitoring program for PCAs.</i> (D. Chang, Chemist)	Draft by 4/30/2015 with GWPP Work Plan #2a.	Draft completed on schedule.
2) Identify laboratories capabilities and resources to provide support for analyses under the SWP portion of the Comprehensive Groundwater/Drinking Water Monitoring Strategy/Plan. - <i>List of potential laboratories capable of performing basic analytical services and/or SLD resources needs and capabilities.</i> (D. Chang, Chemist)	Draft by 3/30/2015	Draft completed on schedule.
3) Revise and complete Quality Assurance Program Plan for contaminants identified for SWP monitoring under the Comprehensive Groundwater/Drinking Water Monitoring Strategy/Plan. - <i>Compliance with grant QA requirements that all environmental measurement activities be conducted with EPA funds be addressed in a quality assurance program plan.</i> (D. Chang, Chemist)	Draft by 4/30/2015. Final pending data from Water Reuse Project in FFY15.	Draft completed on schedule.
4) Procure necessary resources and capabilities for laboratory analyses of SWP target contaminants. Maintain LCMS budgeted for \$15,000. (D. Chang, Chemist)	10/1/2015-9/30/2016	Procured on schedule. LCMS maintained.
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
11/10: Assist Mary with information requested by ASO for procurement audit (Agilent – LCMS Procurement). 12/11: Work with Wanda Chang (SLD) on reply to audit questions regarding Agilent – LCMS Procurement.		
Ongoing: Work with SLD on developing capabilities to analyze (1) Atrazine and Degradation By-Products and (2) PPCPs in Hawaii's wastewater. Drawdown: \$1,000		

5. Data Management Program Table

Objectives: To ensure that current, accurate data regarding the compliance status of PWS, groundwater quality, and wellhead/groundwater source water protection activities, is available for State, Federal, and public uses.

Outcomes: Complete and accurate data is available for state, federal and public uses.

5. Data Management Program Task/Output & Deliverable Cost – FY15 - \$4,000; FY16 - \$34,211	Schedule	Measure of Success
1) Coordinate and expand the SWAP efforts with other county/state/federal programs to establish data sharing/exchange, program linkages and increase interagency cooperation. - <i>Provide and receive additional relevant data resources with other agencies and organizations.</i> (D. Chang WHP Geologist, S. Matsuda)	10/1/2014-9/30/2016	Coordinated sharing of data.
2) Participate in Statewide GIS and GPS Users Groups as a vehicle for data-sharing/exchange -. <i>Data shared with other EHA and State agencies.</i> (D. Chang WHP Geologist, S. Matsuda)	10/1/2014-9/30/2016	Coordinated sharing of data.
3) Maintain SWAP/SWP related data and GIS information. (D. Chang, WHP Geologist, S. Matsuda)	10/1/2014-9/30/2016	Current data in system.
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
<u>NO ACTIVITIES THIS QUARTER.</u> Drawdown: \$0		

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6. Emergency Response Program Table

Objectives: To assure maintenance of potable quality drinking water in emergency situations such as waterborne disease outbreaks, chemical spills, drought, earthquakes hurricanes, tsunamis, floods, power failures, terrorist actions, etc.

Outcomes: State and public water systems prepared to provide safe drinking water under emergency conditions.

6. Emergency Response Program Task/Output & Deliverable Cost – FY13 - \$0; FY14 - \$10,954	Schedule	Measure of Success
1) Work with the Engineering Section on the development of HISWAP Emergency Management Planning in conjunction with the revision of Hawaii Administrative Rules, Title 11, Chapter 19, Emergency Plan for Safe Drinking Water. - <i>Implements Section 9.3 of the Hawaii Source Water Assessment and Protection Plan.</i>	Draft revision to HAR, Chapter 11-19 by 3/31/2016 Adoption by 9/30/2016	Adoption of revised rules on schedule.
2) Work with water systems on including contingency plans in their protection plans. - <i>Ensures contingency plans as part of protection plans.</i>	10/1/2014-9/30/2016	As requested, provide assistance to 1 water system per quarter. When funding budgeted, provide assistance to 2 water systems per quarter.
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
<u>NO ACTIVITIES THIS QUARTER.</u>		
Drawdown: \$0		

7. Training and Technical Assistance Program Table

Objectives: To assure that training and technical assistance programs are available to meet the needs of the PWSS program staff and water purveyors, to provide programs to improve the technical, managerial and financial capacities of water systems, and to provide source water/wellhead protection training to water supply personnel, community groups, the public, consultants and other government agencies, to enable the implementation of the wellhead and source water protection programs.

Outcomes: Improved knowledge and understanding of existing and proposed rules, technical, managerial and financial capacity, risk communication and management, wellhead and source water protection, and other related areas by state staff, the regulated community and others.

7. Training and Technical Assistance Program Task/Output & Deliverable Cost – FY15 - \$108,520; FY16 - \$128,617	Schedule	Measure of Success
1) <u>SDWB Staff Training (J. Seto, D. Chang, WHP Geologist, Program Specialist; Geologist II)</u> a) Identify and fill staff training needs in the areas of wellhead protection requirements, guidance, and policies. This includes mainland training events which will require mainland travel. - <i>Staff prepared to implement WHP activities.[Deliverable: quarterly list of proposed training and summary of training once accomplished and how training supported DOH SWPP.]</i> b) Attend and participate in National source water protection conferences, workgroups and committees, such as GWPC, ASDWA, and the Regional EPA/State Source Water Protection Group. This will require mainland travel. - <i>Provide summary of training once accomplished and how training supported DOH-SWPP.</i>	10/1/2014-9/30/2016	Staff training once per calendar year.
2) <u>Water System/SWP Stakeholder Training (D. Chang; WHP Geologist; Program Specialist)</u> a) Develop and conduct training events on wellhead protection for water supply personnel, community groups, the public, consultants, and government agencies with \$7,500 budget to provide a better understanding of the linkages of the source water assessment results with other drinking water program requirements. (Such as the SWAP Report, Groundwater Rule, Monitoring Waivers) - <i>SWAP Linkages to Drinking Water Requirements Workshop (overview). Workshops on specific requirements may also be held. – – [Deliverable: training agenda, participant list and supporting material]WHP Training Events</i> b) Respond to technical inquiries from water supply personnel, community groups, the public, consultants, and government agencies concerning source water/wellhead protection. - <i>Responses to persons or entities interested on WHP. # of responses/inquires will be reported quarterly.</i> c) Travel to Neighbor Islands to conduct source water and Wellhead Protection Financial Assistance training of water supply managers and personnel. – [Deliverable: list of location/meeting agenda/summary/supporting material.]	a) By 9/30/2015, and 9/30/2016 b) Include in quarterly reports c) 10/1/2014-9/30/2016	a) Once per calendar year. b) Submitted on time. c) Training completed through 2016. Training to be conducted on revised WHP-FAP process after 3/31/2015.
3) <u>SWP/WHP Workshops/Conference Events (J. Seto; D. Chang; Program Specialist)</u> a) Co-sponsor or conduct a Source Water Protection workshop or conference with \$25,000 budget - <i>Workshop or conference on SWP/WHP conducted</i> Deliverable: workshop agenda, participant list and supporting material] b) Conduct Annual Joint GovernmentWater Conference with \$50,000 budget (one-day conference held on Kauai, Maui, and Oahu and in Hilo and Kona to provide water systems and the water industry with a better understanding of water quantity and quality issues facing Hawaii’s groundwater and drinking water resources. – Deliverable: workshop agenda, participant list and supporting material]	a) By 11/30 each year b) By 9/ 30 each year	a) In October 2014 HWWA Conference b) 1 st Conference held January 14-18, 2013; positive survey responses. 2 nd Confernce held August 5-19, 2014; positive survey responses. 3 rd Conference to be held August 2015.
4) Manage technical assistance and training Contracts. <i>Timely submittal of reports, evidence of training events, technical assistance, submittal of invoices.</i> (J. Nikaido; J. Yamami)	10/1/2014 – 9/30/2016	Successful completion of portion of contracted tasks.
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7. Training and Technical Assistance Program Task/Output & Deliverable Cost – FY15 - \$108,520; FY16 - \$128,617	Schedule	Measure of Success
SDWB STAFF TRAINING 10/15-17: Daniel Chang attended 2014 HWWA Annual Conference in Lihue, Kauai. 11/13-14: Daniel Chang and Robert Whittier attended 2014 Hawaii Water Reuse Conference. (Presentation on Recycled Water Quality – Is it a Concern? Made by Joanna Seto, Robert Whittier and Daniel Chang).		
SWP/WHP WORKSHOPS/CONFERENCE EVENTS 2014 Annual Hawaii Water Works Association (HWWA) Conference 10/2014: Discussions with Kauai Department of Water on agenda and funding for HWWA Conference. 10/11-12: Drafting MOA with KDOW on funding for HWWA Conference. 10/15: MOA Signed by KDOW and SDWB. 10/15-17: Annual HWWA Conference in Lihue, Kauai.		
2015 3rd Annual Joint Government Water Conference 12/2014: Determining alternative registration mechanisms. (1) CVENT (This would be for the 3rd (and future) Annual Joint Government Water Conference in August 2015 and beyond. The total cost for the four (4) year period is approximately \$7250 = maintenance of \$5000 + \$2250 for 500 attendees each of the four (4) years. It may be higher or lower depending on attendance. Total cost for one (1) year is \$4250 = maintenance of \$1250 + \$3000 for 500 attendees.) and (2) eHawaii.gov (inquired about a way to take payments for conferences, SDWB will contact eHawaii.gov for more information).		
Drawdown: \$5,000		

8. Public Participation Program Table

Objectives: To identify and implement means of public involvement in the source water/wellhead/groundwater protection efforts.
Outcomes: Better informed public and regulated community in areas related to the protection of drinking water quality. Greater public involvement in the planning and implementation of drinking water protection programs and policies.

8. Public Participation Program Task/Output & Deliverable Cost – FY15 - \$6,720; FY16 - \$15,394	Schedule	Measure of Success
1) SDWB Outreach Activities a) Create a Source Water/Wellhead protection newsletter to keep water systems, water industry personnel, and interested individuals abreast of the activities and progress of the Hawaii Source Water Assessment Program and the Source Water Protection/Wellhead Protection Program. - Deliverable: newsletter. (J. Yamami; D. Chang) b) Develop practical public participation information materials to make technical information and findings understandable to the public. - Dissemination of WHP information to the public via website and/or in water system bills. (WHP Geologist) c) Develop a Hawaii Source Water Assessment and Protection component of the SDWB website to provide for access to information. – Deliverable: draft outline of web page. (Additional mechanism for providing public access to WHP information. (WHP Geologist) d) Make presentations at environmental organizations meetings, conferences, workshops, meetings and neighborhood board meetings to promote the source water assessment and protection program. – Presentation of WHP to the environmental protection community and interested stakeholders. (WHP Geologist)	a) Quarterly SDWB newsletter – <i>The Water Spot</i> b) Draft by 3/31/2015; Final by 6/30/2015 c) Draft by 3/31/2015; Final by 6/30/2015 d) As requested, 10/1/2014-9/30/2016	a) On-time distribution w/ applicable article by D. Chang. b) On-time. c) On-time. d) Provided as needed.
2) Implement wellhead protection/source water protection activities in support of the Hawaii education system. - <i>SWAP curriculum (high school level) State Science Fair; Project WET [Need to include proposed schedule and discuss material to be developed or presented.]</i> (WHP Geologist)	10/1/2014-9/30/2016	Activities implemented.
3) Purchase appropriate presentation equipment and supplies for use in public informational meetings, community event and in generating public informational materials. Deliverable: Proposed list to be provided on quarterly basis. (WHP Geologist)	10/1/2014-9/30/2016	Materials procured.
FFY 2015 First Quarter (October 1, 2014 – December 31, 2014)		
See Project WET activities: KDOW (ASO 13-038). NO OTHER ACTIVITIES THIS QUARTER. Drawdown: \$1,300		

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SRF 15% Fund Utilization Plan Table for SWP/WHP contracts (as of 01/15/2015)


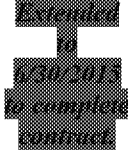
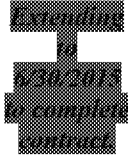
- Note Shaded lavender rows indicate contracts for technical assistance and training (State Activity Code 437).
Shaded blue rows or bold blue font indicate contracts completed and closed or to be closed.
Shaded orange rows indicate contracts terminated and closed.
Yellow highlighted projects – no 4th quarter report and invoice – update provided via phone/email
Pink highlighted end date – proposed to be extended. No further extensions after that date.
- * Payments taken from quarterly reports; Table from DWSRF 15% Grant year funding expenditure summary...xlsx
 - ** ASO Log No. 12-025 and 13-037 contracts terminated due to inactivity and change of scope, respectively. Funds applied to ASO Log No. 15-033.
 - *** **ASO Log No. 12-034 and 14-106** contracts to be closed and balance to be applied to operating expenses for FFY15-16.

ASO Log No.	End Date	Funding Level	Contract Subtotal Paid *	Balance Remaining
10-116	9/30/2014	\$1,250,000.00	\$1,250,000.00	\$0
11-044	9/30/2012	\$0	\$0	\$0
12-025 **		\$0	\$0	\$0
12-026	2/31/2014	\$175,000.00	\$115,287.71	\$59,712.29
12-033	6/30/2013	\$57,500.00	\$41,104.24	\$16,395.76
12-034 ***	12/31/2014	\$100,000.00	\$17,676.42	\$82,323.58
12-044	9/30/2014	\$250,000.00	\$250,000.00	\$-
12-116	6/30/2013	\$200,000.00	\$79,065.25	\$120,934.75
12-117	6/30/2013	\$1,500,000.00	\$786,415.44	\$713,584.51
13-013	8/28/2015	\$600,415.20	\$360,525.00	\$239,890.20
13-037 **		\$0	\$0	\$0
13-038	12/31/2013	\$230,000.00	\$2,323.59	\$227,676.41
13-047	2/31/2014	\$130,000.00	\$30,537.59	\$99,462.41
14-106 ***	3/31/2014	\$45,000.00	\$42,019.98	\$2,980.02
15-033 **	9/30/2017	\$741,600.00	\$-	\$741,600.00
Paid Period Subtotal		\$5,279,515.20	\$3,211,723.02	\$2,076,192.18

ASO Log No.	Project/Organization & Protection Activities	Outcome and Deliverable/Output	Project Period End Date	Grant#	Project Status
10-116	RCAC Technical Assistance - Circuit Rider Program	Small public water systems site visits (50/calendar quarter); promote improvements to TMF capacity; hands-on assistance; maintain "hot line;" yearly evaluation	9/30/2014	FS99986505-2% [paid \$145,229.00; outstanding \$0] FS99986505 - \$460,000 [paid \$460,000; outstanding \$0]; FS99986506 - \$644,771 [paid \$644,771; outstanding \$0]	Recipient notified of Quarterly Report Form and Invoice deadline. Quarterly Report and Invoice Received. Project completed. Report to be submitted.
11-044	University of Hawaii, Water Resources Research Center - Develop Leaching Model for nonpesticide contaminants to assist in monitoring waiver program	Physico-chemical property and toxicity evaluation; Modes of release and volatility component; updating recharge and soil database; running process based model HYDRUS-1D; aggregate leachability potential based on CLEARS and HYDRUS-1D runs and PCA scores	9/30/2012	FS99986506 - \$55,000 [paid \$34,931.00; outstanding \$6,077.63; total \$59,922.37 (of which \$24,991.37 is from GW106)]; FS99986507 - \$4,000 [outstanding \$4,000] [6/5/13 contract closed with balance of \$10,077.63 applied to ASO Log No. 14-106]	Successful project. Leaching model provides map of potentially contaminated areas and identifies the specific contaminant. Computer script to be revised under ASO Log No. 14-106. Report to be submitted under ASO Log No. 14-106.
12-025	County of Kauai Department of Water - Develop WHPP	Update GIS data; expand PCA inventory; continue to prepare SW/WHP plans; development of implementation plan; develop well siting policy; public outreach	6/30/2015	FS99986507 - \$200,000 [outstanding \$0] [1/22/2014 - contract terminated with balance to be applied to upcoming 15-033 Circuit Rider contract. See FFY 2014 Second Quarter (January 1, 2014 – March 31, 2014) Administrative Program Task Notes for this contract.]	KDOW is contracting with consultant to do this work. KDOW has not contracted with consultant who has requested information and held meeting with DOH. KDOW Manager and Chief Engineer resigned effective 10/31/13. Continuing to coordinate with main contact person. No report or invoice received.
12-026	West Maui Land Company - Implement WHP Activities	Secondary containment within Zone A; public outreach; removal of potential hazardous contaminants; OSDS education, inspection and maintenance program; protection of reservoir; non-contaminating use of land surrounding well source	4/30/2014 Extended to 12/31/2014 to complete contract.	FS99986507 - \$175,000 [paid \$115,287.71; outstanding \$59,712.29]	Recipient notified of Quarterly Report Form and Invoice deadline. Purchased hydraulic power unit. Paid for winch shipping charge. No report or invoice received. As of 11/21/2014: Expected to complete reservoir fencing and part of OSDS EIM Program.

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ASO Log No.	Project/Organization & Protection Activities	Outcome and Deliverable/Output	Project Period End Date	Grant#	Project Status
12-033	Hawaiian Beaches Water Company, Inc. - WHP Implementation	Secondary containment within Zone A; update and implement the Emergency Response Plan; Security improvements; Public outreach; decommissioning of cesspools; OSDS education, inspection and maintenance program	12/31/2014 	FS99986509 - \$20,000 [paid \$20,000; outstanding \$0] FS99986510 - \$37,500 [paid \$21,104.24; outstanding \$16,395.76]	Recipient notified of Quarterly Report Form and Invoice deadline. Building to be demolished and cesspool to be decommissioned. 8/7/2014: System and neighborhood impacted by Hurricane Iselle and pending lava flow toward source well.
12-034	Hawaiian Shores Community Association - Implement WHP Activities	Secondary containment within Zone A; update and implement the Emergency Response Plan; Security improvements; Public outreach; decommissioning of cesspools; OSDS education, inspection and maintenance program	12/31/2014	FS99986510 - \$100,000 [paid \$17,676.42; outstanding \$82,323.58] Balance of \$82,323.58 to be deobligated and used for FFY16 overhead.	Recipient notified of Quarterly Report Form and Invoice deadline. Completed land survey of HSCA properties within Capture Zones A & B. No report or invoice received. Final invoice and report received 10/15/2014.
12-044	County of Hawaii, Department of Finance, Treasury Division - OSDS Connection to Honokaa Sewer	Identification of qualified lot owners; awarding of project funding to lot owners; inspection of sewer connections; contract recordkeeping	9/30/2014	FS99986507 - \$143,930 [paid \$143,930; outstanding \$0] FS99986508 - \$106,070 [paid \$106,070; outstanding \$0] 01/06/2014 contract closed	Recipient notified of Quarterly Report Form and Invoice deadline. Quarterly Report and Invoice Received. Reimbursements paid for connection to County wastewater system. Project completion report submitted.
12-116	County of Hawaii Department of Water Supply - WHPP Development	Update GIS data; expand PCA inventory; continue to prepare SW/WHP plans; development of implementation plan; develop well siting policy; public outreach	12/31/2014 	FS99986508 - \$200,000 [paid \$79,065.25; outstanding \$120,934.75 (within 30 days, invoice rec'd 1/13/2015 for \$2895.15)]	Recipient notified of Quarterly Report Form and Invoice deadline. Working on procuring fencing materials and developing outreach strategy. Purchased lab equipment to perform in-house analysis; continue to develop outreach strategy. Quarterly Report and Invoice Received.
12-117	County of Maui Department of Water Supply - Implement WHP Activities & Watershed Protection Projects and 2013 HWWA Conference	Implement SW/WHP strategies and ordinance through public outreach; BMP workshops; acquire WHP easements (5 PCAs); Implement SW/WHP incentive activities including financial assistance for maintenance and upgrading of OSDS; financial assistance for BMPs (3 PCAs); watershed protection projects (3); HWWA conference SWP track	12/31/2014 	FS99986509 - \$750,000 [paid \$37,430.24; outstanding \$712,569.76 (within 30 days, revised invoice rec'd 1/15/2015 for \$31,618.71)] FS99986511 - \$400,000 [paid \$400,000; outstanding \$0] FS99986512 - \$350,000 [paid \$348,985.25; outstanding \$1,014.75]	Recipient notified of Quarterly Report Form and Invoice deadline. Fieldwork for placement of WHP signage; pollution prevention advertisement; updated website; conducted study/special analysis of 50 ft radius of all DWS sites; feasibility report for conversion from cesspool to septic tank; property surveys completed; various work done for each watershed; held 2014 HWWA Conference on October 23-25, 2014 for 315 registrants (20 plenary speakers and 52 technical sessions). Quarterly Report and Invoice Received. Rec'd 12/23/2014 letter requesting move funding from Task #3 to Task #4. Contract mod required.
13-013	Hawaii Rural Water Association - Continuing Education Activities	Detailed comprehensive plan for self-sustaining continuing education training program in Hawaii (5 years); training curriculum and lesson plans for first 3 years; 5 year financial plan; publicity plan; CEU credit request for each session; 3 annual reports at the end of each year of the contract	8/28/2015	FS99986508 - \$170,000 [paid \$170,000; outstanding \$0]; FS99986509 - \$430,415.20 [paid \$216,859.00; outstanding \$213,556.20 (within 30 days, invoice rec'd 12/12/2014 for \$26,334.00)]	Recipient notified of Quarterly Report Form and Invoice deadline. Submitted 5 year training and financial plans; conducted training January-October 2013; submitted Annual Report Year 1. Quarterly Report and Invoice Received.

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ASO Log No.	Project/Organization & Protection Activities	Outcome and Deliverable/Output	Project Period End Date	Grant#	Project Status
13-037	Lanai Water Company - Watershed - Forested Area Fencing	Install 1 mile of fence to encompass Wells #2 & #4 <i>Change in scope to reused wastewater study not approved.</i>	6/1/2014	FS99986511 - \$250,000 [deobligating \$250,000] <i>[3/7/2014 - contract terminated with balance to be applied to upcoming Circuit Rider contract. See FFY 2014 Second Quarter (January 1, 2014 – March 31, 2014) Administrative Program Task Notes for this contract.]</i>	Recipient notified of Quarterly Report Form and Invoice deadline. Contract obligated 9/11/13. In discussion regarding modification of contract.
13-038	County of Kauai Department of Water - Project Water Education for Teachers (WET) (Statewide)	Develop Project WET for SWP education with DOE; set up statewide workshops and educational events (1/each county/year); provide copies of curriculum to workshop attendees; “Make a Splash” festival for 5 th grade students once per year	12/31/2014 Extending to 12/31/2015 to complete contract	FS99986511 - \$230,000 [paid \$2,323.59; outstanding \$227,676.41 (within 30 days, on 1/14/2015 rec’d revised FFY14 (Quarters 3 & 4) and FFY15 (Quarter 1) invoices for \$28,535.58)]	Recipient notified of Quarterly Report Form and Invoice deadline. KDOW Manager and Chief Engineer resigned effective 10/31/13. Will coordinate with Acting Manager. No report or invoice received. In discussion with new coordinator. See Administrative Program Task Notes for this contract. Training scheduled at 4 locations for July 2014. Project will also coordinate events with County of Hawaii and Kawela Plantation.
13-047	Kawela Plantation - Implement WHP Activities	Secondary containment within Zone A; Public outreach; WHP signs; OSDS education, inspection and maintenance program; herbicides and pesticides and waste removal; stormwater control; livestock control; WHP plan	12/31/2014 Extending to 12/31/2015 to complete contract	FS99986511 - \$130,000 [paid \$30,537.59; outstanding \$99,462.41]	Recipient notified of Quarterly Report Form and Invoice deadline. Recipient is obtaining estimates for supplies and equipment. Conducted public outreach, attended stormwater control training, and purchased equipment for stormwater control. No report or invoice received. Discussed Project WET activities on Molokai.
14-106	University of Hawaii, Water Resources Research Center - Leachate Model revised computer scripting	Convert CLERS model script from VBA to Python	3/31/2014	FS99986506 -> \$13,991.37 + \$6,077.63 = \$20,069 [paid \$20,069; outstanding \$0] FS99986507 - \$4,000[paid \$4,000; outstanding \$0] FS99986511 - \$20,931[paid \$17,950.98; outstanding \$2,980.02] <i>Balance of \$2,980.02 to be deobligated and used for FFY16 overhead.</i>	Recipient notified of Quarterly Report Form and Invoice deadline. Contract obligated 10/16/13. Invoice received. Project Completion Report submitted.
15-033	RCAC Technical Assistance - Circuit Rider Program	Small public water systems site visits (600 on-site technical assistance contact hours); promote improvements to TMF capacity; hands-on assistance; maintain “hot line;” yearly evaluation	9/30/2017	FS99986507 - \$200,000 [outstanding \$200,000] FS99986511 - \$350,000 [outstanding \$350,000] FS99986512 - \$191,600 [outstanding \$191,600]	Contract encumbered 10/1/2014.

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	RCAC Technical Assistance - Circuit Rider Program
ASO Log No.:	10-116
Start/End Date:	10/1/2009 - 9/30/2014
DWSRF 15% Set-Asides Technical Assistance funds:	FS99986505-2% [paid \$145,229.00; outstanding \$0] FS99986505 - \$460,000 [paid \$460,000; outstanding \$0]; FS99986506 - \$644,771 [paid \$644,771; outstanding \$0]
Contractor:	Rural Community Assistance Corporation
Address:	
Phone:	
Fax:	
Email:	

Background/Overview:	
Objectives/Goals:	Small public water systems site visits (50/calendar quarter); promote improvements to TMF capacity; hands-on assistance; maintain "hot line;" yearly evaluation
Methods Employed:	Quarterly Report and Invoice Received. Project completed. Report to be submitted.
Pollutants of Concern:	
SWAP Area:	n/a
Outcome:	Funding was used for (but not limited to)

For Information on the Wellhead Protection - Financial Assistance Program, contact:

Safe Drinking Water Branch
Hawaii Department of Health
919 Ala Moana Boulevard, #308
Honolulu, Hawaii 96814
Ph.: (808) 586-4258
Fax: (808) 586-4351

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	University of Hawaii, Water Resources Research Center - Develop Leaching Model for nonpesticide contaminants to assist in monitoring waiver program
ASO Log No.:	11-044
Start/End Date:	3/14/2011-9/30/2011; extended to 9/30/2012 (M1)
DWSRF 15% Set-Asides WHP funds:	FS99986506 - \$55,000 [paid \$34,931.00; outstanding \$6,077.63; total \$59,922.37 (of which \$24,991.37 is from GW106)]; FS99986507 - \$4,000 [outstanding \$4,000] <i>[6/5/2013 contract closed with balance of \$10,077.63 applied to ASO Log No. 14-106]</i>
Contractor:	Water Resources Research Center, University of Hawaii - Chittaranjan Ray, P.E., Ph.D.
Address:	2540 Dole Street, 282 Holmes Hall, Honolulu, HI 96822
Phone:	(808) 956-9652
Fax:	(808) 956-5044
Email:	cray@hawaii.edu

Background/Overview:	
Objectives/Goals:	Physico-chemical property and toxicity evaluation; Modes of release and volatility component; updating recharge and soil database; running process based model HYDRUS-1D; aggregate leachability potential based on CLEARS and HYDRUS-1D runs and PCA scores
Methods Employed:	Successful project. Leaching model provides map of potentially contaminated areas and identifies the specific contaminant.
Pollutants of Concern:	
SWAP Area:	Multiple Source Water Capture Zone Areas
Outcome:	Funding was used for (but not limited to) Computer script to be revised under ASO Log No. 14-106. Report to be submitted under ASO Log No. 14-106.

For Information on the Wellhead Protection - Financial Assistance Program, contact:

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Hawaii Department of Health
919 Ala Moana Boulevard, #308
Honolulu, Hawaii 96814
Ph.: (808) 586-4258
Fax: (808) 586-4351

**Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 4 - Attachment 2
Due January 30, 2015**

**FFY15-16 DWSRF 15% Set-Aside Workplan Quarterly Report as of January 15, 2015
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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	West Maui Land Company - Implement WHP Activities
ASO Log No.:	12-026
Start/End Date:	6/13/12-6/30/13; 7/1/13 - 4/30/14 (M1); 5/1-6/30/2014 (M2); 7/1-12/31/2014 (M3)
DWSRF 15% Set-Asides WHP funds:	FS99986507 - \$175,000 [paid \$115,287.71; outstanding \$59,712.29]
Contractor:	West Maui Land Company, Inc. - Lea Tamayose
Address:	305 E. Wakea, Suite 100, Kahului, Hawaii 96732
Phone:	(808) 870-8930
Fax:	
Email:	lea@westmauland.com

Background/Overview:	
Objectives/Goals:	Secondary containment within Zone A; public outreach; removal of potential hazardous contaminants; OSDS education, inspection and maintenance program; protection of reservoir; non-contaminating use of land surrounding well source
Methods Employed:	Purchased hydraulic power unit. Paid for winch shipping charge. As of 11/21/2014: Expected to complete reservoir fencing and part of OSDS EIM Program.
Pollutants of Concern:	
SWAP Area:	?? Source Water Capture Zone Area
Outcome:	Funding was used for (but not limited to)

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	Hawaiian Beaches Water Company, Inc. - WHP Implementation
ASO Log No.:	12-033
Start/End Date:	12/28/2012 - 12/31/2014; Extending to 6/30/2015
DWSRF 15% Set-Asides WHP funds:	FS99986509 - \$20,000 [paid \$20,000; outstanding \$0] FS99986510 - \$37,500 [paid \$21,104.24; outstanding \$16,395.76]
Contractor:	Hawaiian Beaches Water Company, Inc. - Kate Prescott Drago
Address:	P.O. Box 22, Pahoia, Hawaii 96778
Phone:	(808) 965-9882
Fax:	
Email:	kateprescott78@hotmail.com

Background/Overview:	
Objectives/Goals:	Secondary containment within Zone A; update and implement the Emergency Response Plan; Security improvements; Public outreach; decommissioning of cesspools; OSDS education, inspection and maintenance program
Methods Employed:	Building to be demolished and cesspool to be decommissioned. 8/7/2014: System and neighborhood impacted by Hurricane Iselle and pending lava flow toward source well.
Pollutants of Concern:	
SWAP Area:	?? Source Water Capture Zone Area
Outcome:	Funding was used for (but not limited to)

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	Hawaiian Shores Community Association - Implement WHP Activities
ASO Log No.:	12-034
Start/End Date:	1/15/2013 - 12/31/2014
DWSRF 15% Set-Asides WHP funds:	FS99986510 - \$100,000 [paid \$17,676.42; outstanding \$82,323.58] <i>Balance of \$82,323.58 to be deobligated and used for FFY16 overhead.</i>
Contractor:	Hawaiian Shores Community Association - Eileen O'Hara
Address:	15-2793 S. Honu St., Pahoa, Hawaii 96778
Phone:	(808) 965-8140
Fax:	
Email:	cohara@hawaii.rr.com or HSCA_BOD@hawaii.rr.com

Background/Overview:	
Objectives/Goals:	Secondary containment within Zone A; update and implement the Emergency Response Plan; Security improvements; Public outreach; decommissioning of cesspools; OSDS education, inspection and maintenance program
Methods Employed:	Completed land survey of HSCA properties within Capture Zones A & B. Final invoice and report received 10/15/2014.
Pollutants of Concern:	
SWAP Area:	?? Source Water Capture Zone Area
Outcome:	Funding was used for (but not limited to)

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name: Connection of On-Site Disposal Systems (OSDS) within the Haina Water System's Source Water Protection Capture Zone to the Honokaa Sewer Project.

ASO Log No.: 12-044

Start/End Date: June 8, 2012 to January 6, 2014

DWSRF funds: \$250,000.00 (15% Set-Asides WHP)

Contractor: Michael Okumoto, Treasurer, Department of Finance, County of Hawaii
25 Aupuni Street, Room 1102 Hilo, Hawaii 96720
Phone: (808) 933-6240 Fax: (808) 961-8946 Email: mokumoto@co.hawaii.hi.us

Background/Overview: The United States Environmental Protection Agency mandated that the County of Hawaii close all of its large capacity cesspools. Using funds from the American Reconstruction and Recovery Act ("ARRA"), the County was able to finance the cost of replacing the large capacity cesspools with sewer lines in the town of Honokaa.

A sewer line was installed on Mamane Street in Honokaa, which is the main thoroughfare through this town. Pursuant to Hawaii County Code, Section 21-5, lots accessible to a sewer line must connect. These lot owners would be required to reroute their sewer lines from the back of their lots to the front. In most cases, they will need to break through concrete sidewalks. Lot owners located below the sewer line will need to install a pump which might require an upgrade of their electrical system. The cost of the hookup to the County's sewer line is the responsibility of the lot owner. A survey mailed to the affected lot owners found that eighty percent (80%) indicated that they need at least partial financing. The connection cost will be a financial hardship for many of these lot owners.

Objectives/Goals: Part of the area requiring connection to the Honokaa Sewer Project is located within the Source Water/Wellhead Protection Area ("WHPA") for the Hawaii Department of Water Supply's Haina Water System (identified as Public Water System #161). The WHPA identifies the area around a drinking water source where potential contaminating activity ("PCA") may contaminate the water source. On-Site Disposal Systems ("OSDS") including large capacity cesspools, cesspools, and septic systems are identified by the Hawaii Source Water Assessment and Protection Program as a PCA.

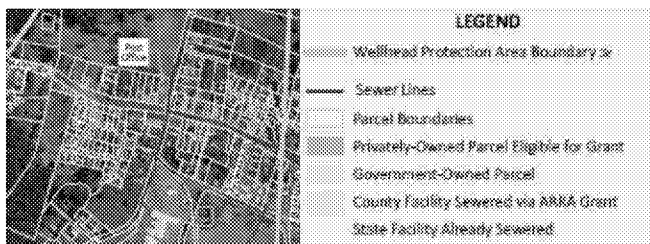
The County requested funding under the Wellhead Protection – Financial Assistance Program ("WHP-FAP") to provide grants for sewer connections to those lot owners within the WHPA that may have financial hardships and may be unable to hookup without these funds.

Methods Employed: Conducted public meetings to explain financial assistance program;
Sent letters to OSDS owners eligible for financial assistance; and
Provided reimbursement of connection cost - equally distributed to OSDS owners based on actual cost.

Pollutants of Concern: Domestic Wastewater constituents (microbiological, nutrients)

SWAP Area: Haina Source Water Capture Zone Area

Outcome: Funding was used for (but not limited to) trenching and installation of new sewer lines connecting structures to the County Sewer, installation of Grinder pumps, and the pumping and filling of OSDS (abandonment & closure of existing OSDS). A total of 53 connectable properties were located within the wellhead protection capture zone. Excluding State and County properties, properties already connected to an existing sewer system, vacant land, and parcels not required to connect to the sewer, there were 39 parcels eligible for funding. Grant funding was provided to 33 parcels (of which all but 6 of the recipients were fully reimbursed). Reimbursement ranged from \$2,600 to \$17,173.



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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	County of Hawaii Department of Water Supply - WHPP Development
ASO Log No.:	12-116
Start/End Date:	8/14/2012 - 6/30/2014; Extended to 6/30/2015
DWSRF 15% Set-Asides WHP funds:	FS99986508 - \$200,000 [paid \$79,065.25; outstanding \$120,934.75 (within 30 days, invoice rec'd 1/13/2015 for \$2895.15)]
Contractor:	County of Hawaii Department of Water Supply - Kawika Uyehara
Address:	345 Kekaunaoa Street, Suite 20, Hilo, Hawaii 96720
Phone:	(808) 961-8070 x257
Fax:	
Email:	kuyehara@hawaiiidws.org

Background/Overview:	
Objectives/Goals:	Update GIS data; expand PCA inventory; continue to prepare SW/WHP plans; development of implementation plan; develop well siting policy; public outreach
Methods Employed:	Working on procuring fencing materials and developing outreach strategy. Purchased lab equipment to perform in-house analysis; continue to develop outreach strategy.
Pollutants of Concern:	
SWAP Area:	?? Source Water Capture Zone Area
Outcome:	Funding was used for (but not limited to)

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	County of Maui Department of Water Supply - Implement WHP Activities & Watershed Protection Projects and 2013 HWWA Conference
ASO Log No.:	12-117
Start/End Date:	12/18/12 - 6/30/2014; Extended to 12/31/2014 (M1) & 6/30/2015 (M2)
DWSRF 15% Set-Asides WHP funds:	FS99986509 - \$750,000 [paid \$37,430.24; outstanding \$712,569.76 (within 30 days, revised invoice rec'd 1/15/2015 for \$31,618.71)] FS99986511 - \$400,000 [paid \$400,000; outstanding \$0] FS99986512 - \$350,000 [paid \$348,985.25; outstanding \$1,014.75]
Contractor:	County of Maui Department of Water Supply - Eva Blumenstein
Address:	200 High Street, Wailuku, Hawaii 96793
Phone:	
Fax:	
Email:	Eva.blumenstein@co.maui.hi.us

Background/Overview:	
Objectives/Goals:	Implement SW/WHP strategies and ordinance through public outreach; BMP workshops; acquire WHP easements (5 PCAs); Implement SW/WHP incentive activities including financial assistance for maintenance and upgrading of OSDs; financial assistance for BMPs (3 PCAs); watershed protection projects (3); HWWA conference SWP track
Methods Employed:	Fieldwork for placement of WHP signage; pollution prevention advertisement; updated website; conducted study/special analysis of 50 ft radius of all DWS sites; feasibility report for conversion from cesspool to septic tank; property surveys completed; various work done for each watershed; held 2014 HWWA Conference on October 23-25, 2014 for 315 registrants (20 plenary speakers and 52 technical sessions). Rec'd 12/23/2014 letter requesting move funding from Task #3 to Task #4. Contract modification drafted.
Pollutants of Concern:	
SWAP Area:	?? Source Water Capture Zone Area
Outcome:	Funding was used for (but not limited to)

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	Hawaii Rural Water Association - Continuing Education Activities
ASO Log No.:	13-013
Start/End Date:	8/29/2012 - 8/28/2015; 8/29/2015-2/28/2016 (M1)
DWSRF 15% Set-Asides Technical Assistance funds:	FS99986508 - \$170,000 [paid \$170,000; outstanding \$0]; FS99986509 - \$430,415.20 [paid \$216,859.00; outstanding \$213,556.20 (within 30 days, invoice rec'd 12/12/2014 for \$26,334.00)]
Contractor:	Hawaii Rural Water Association
Address:	
Phone:	
Fax:	
Email:	

Background/Overview:	
Objectives/Goals:	Detailed comprehensive plan for self-sustaining continuing education training program in Hawaii (5 years); training curriculum and lesson plans for first 3 years; 5 year financial plan; publicity plan; CEU credit request for each session; 3 annual reports at the end of each year of the contract
Methods Employed:	Submitted 5 year training and financial plans; conducted training January-October 2013; submitted Annual Report Year 1 and 2. Quarterly Report and Invoice Received.
Pollutants of Concern:	
SWAP Area:	n/a
Outcome:	Funding was used for (but not limited to)

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Fax: (808) 586-4351

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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	County of Kauai Department of Water - Project Water Education for Teachers (WET) (Statewide)
ASO Log No.:	13-038
Start/End Date:	December 18, 2012 - June 30, 2015 (extending to 12/31/2015)
DWSRF 15% Set-Asides WHP funds:	FS99986511 - \$230,000 [paid \$2,323.59; outstanding \$227,676.41 (within 30 days, on 1/14/2015 rec'd revised FFY14 (Quarters 3 & 4) and FFY15 (Quarter 1) invoices for \$28,535.58)]
Contractor:	County of Kauai, Department of Water - Kimberly Tamaoka
Address:	P.O. Box 1706, Lihue, Hawaii 96766
Phone:	(808) 345-5461
Email:	ktamaoka@kauaiwater.org

Background/Overview:	
Objectives/Goals:	Develop Project WET for SWP education with DOE; set up statewide workshops and educational events (1/each county/year); provide copies of curriculum to workshop attendees; "Make a Splash" festival for 5 th grade students once per year
Methods Employed:	
Pollutants of Concern:	
SWAP Area:	Multiple Source Water Capture Zone Areas
Outcome:	Funding was used for (but not limited to)

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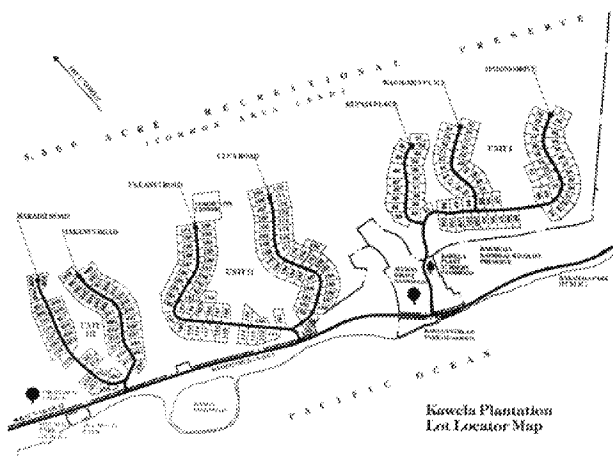
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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	Kawela Plantation - Implement WHP Activities
ASO Log No.:	13-047
Start/End Date:	11/27/2013 - 12/31/2015
DWSRF 15% Set-Asides WHP funds:	FS99986511 - \$130,000 [paid \$30,537.59; outstanding \$99,462.41]
Contractor:	Kawela Plantation Homeowners' Association - Juanita N. Colon
Address:	PO Box 28; 243 Uluanui Road, Kaunakakai, HI 96748
Phone:	(808) 553-4223
Fax:	(808) 553-3996
Email:	kawelapha@gmail.com
Website:	http://www.kawelapha.com

Background/Overview:	“Each of the three potable wells sits at an elevation of approximately 250 feet and all three are located in Unit 1 of the Plantation. Each was originally drilled to a depth of approximately 235 feet and utilizes a cast iron casing with an inside diameter of 6 inches. They are designed to tap into a lens of fresh water that, by its lesser density, sits above the salt water table.” – excerpt from “The Kawela Plantation Water System” at http://www.kawelapha.com/downloads/TheKawelaPlantationWaterSystemReport.pdf .
Objectives/Goals:	Secondary containment within Zone A; Public outreach; WHP signs; OSDS education, inspection and maintenance program; herbicides and pesticides and waste removal; stormwater control; livestock control; WHP plan.
Methods Employed:	Conducted public outreach, attended stormwater control training, and purchased equipment for stormwater control. Discussed Project WET activities on Molokai.
Pollutants of Concern:	
SWAP Area:	?? Source Water Capture Zone Area
Outcome:	Funding was used for (but not limited to)



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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name: Convert Comprehensive Leaching Risk Assessment System ("CLEARS") model script from VBA to Python

ASO Log No.: 14-106

Start/End Date: July 1, 2013 to March 31, 2014

DWSRF funds: \$45,000.00 (15% Set-Asides WHP)

Contractor: Chittaranjan Ray, P.E., Ph.D., Water Resources Research Center, University of Hawaii
2540 Dole Street, 282 Holmes Hall, Honolulu, HI 96822
Ph: 808-956-9652 Fax: 808-956-5044 Email: cray@hawaii.edu

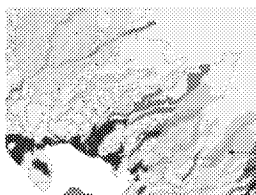
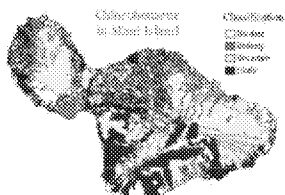
Background/Overview: The Comprehensive Leaching Risk Assessment System ("CLEARS") model assesses the leaching potential of land-applied chemicals based on soil, chemical, and recharge properties. The model is used by the Hawaii Department of Agriculture ("HDOA") for registration and approval of new pesticides in the state.

The earlier pesticide leaching tool has been modified to account for the loss by volatilization, allowing new volatile chemicals (and non-pesticide drinking water contaminants) to be assessed. To account for the loss by volatilization, the previous tool has been expanded to include additional terms, liquid-vapor partitioning for the retardation factor ("RF") and vapor loss at the soil surface for the attenuation factor ("AF"), respectively.

Monitoring of source water from drinking water wells in Hawaii has been going on for decades. However, many of these wells show no evidence of contamination. For a contaminant to appear in a well, it must be present in the capture zone of the well. Processes that contribute to point or non-point source pollution include leaching of chemicals or pathogens through soil, transport in aquifers, and eventual appearance in well waters. The new leaching model will also implement several geographic information system ("GIS") layers for regional vulnerability maps so that all contamination activities and their associated risk can be determined simultaneously. These additional GIS layers, obtained from the Source Water Assessment Program ("SWAP") of the Hawaii Department of Health ("HDOH"), include the capture zones around public water supply wells and any potential contaminating activity ("PCA") within the capture zones. As some drinking water parameters/contaminants have not been detected in Hawaiian municipal water supply wells over decades, and there is adequate information about land use (past and current) and PCAs, it will be feasible to justify the waiving of regular monitoring for chemicals that show low risk of appearance in ground water.

Objectives/Goals: The previous version of CLEARS was coded in Visual Basic for Applications (VBA) and utilized ARC-GIS for visualization. VBA is compatible with ARC-GIS 10 or with lower version. ESRI (the maker of ARC-GIS software) has released ARC-GIS 10.1 and eventually higher versions will be released. However, VBA will not be supported by Microsoft and ESRI for ARC-GIS versions above 10.x or higher. As a result, steps have been taken to modify the source code of CLERS so that it is not impacted by the future Microsoft and ESRI upgrades. For this, two options exist: (a) converting the current VBA code to VB.net studio or (b) Python. VB.net studio is operating system dependent; however Python being independent of operating system can be used on any desktop environment. Python being a versatile language in the public domain, it is being now widely used scientific and engineering applications. The current code has been migrated first to VB.net (for keeping the same user interface) and subsequently to Python.

Outcome: Development of a Comprehensive Leaching Risk Assessment System ("CLEARS") model capable of evaluating the leachability of pesticides and drinking water contaminants to groundwater.



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HAWAII SOURCE WATER PROTECTION PROGRAM

Project Name:	RCAC Technical Assistance - Circuit Rider Program
ASO Log No.:	15-033
Start/End Date:	10/01/2014 - 9/30/2017
DWSRF 15% Set-Asides Technical Assistance funds:	FS99986507 - \$200,000 [outstanding \$200,000] FS99986511 - \$350,000 [outstanding \$350,000] FS99986512 - \$191,600 [outstanding \$191,600]
Contractor:	Rural Community Assistance Corporation
Address:	
Phone:	
Fax:	
Email:	

Background/Overview:	
Objectives/Goals:	Small public water systems site visits (600 on-site technical assistance contact hours); promote improvements to TMF capacity; hands-on assistance; maintain "hot line;" yearly evaluation
Methods Employed:	
Pollutants of Concern:	
SWAP Area:	n/a
Outcome:	Funding was used for (but not limited to)

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Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 6 - Attachment 3
Due January 30, 2015

CAP Item 6	Submit a list of projects from the state fiscal year 2015 fundable list that are viable and ready to proceed within three to six months.
DOH Commitment	The DOH submits CAP Attachment 3 which is a list of projects from the SFY 2015 fundable list that are viable and ready to proceed within three to six months.

The following projects are from Table 5, the Fundable List, from the *SFY 2015 Intended Use Plan*. Of the 13 projects which were identified based on potential available funds and readiness-to-proceed, there are seven (7) which are viable and ready to proceed within three to six months (e.g., Notice to Proceed issued by County).

Rank	Project No.	Owner	Project Name	Green Project Reserve Type	Estimated Construction Date	FLA Date (Executed or Estimated)	Estimated Loan Amount
16	DW213-0015	Maui DWS	Haliimaile Tank Replacement	Water Efficiency	Aug-14	1/15/2015	\$ 700,000.00
34	DW215-0009	Maui DWS	Phase 6 Booster Pump Upgrades	Energy Efficiency	Aug-14	8/15/2015	\$ 4,619,076.00
35	DW215-0010	Maui DWS	Kula 200 #1 Tank Replacement		Aug-14	4/15/2015	\$ 874,565.00
69	DW400-0011	Kauai DOW	PLH-39; Lihue Baseyard Improvements for the Department of Water	Energy Efficiency (Categorical)	Sep-14	12/15/2014	\$ 4,000,000.00
73	DW102-0001	Hawaii DWS	Laupahoehoe 0.5 MG Reservoir		Nov-14	4/15/2015	\$ 4,158,101.00
1	DW133-0004	Hawaii DWS	Kapulena Well Development Phase 2 (Production Well and 0.3 MG Reservoir)		SFY 2015	7/15/2015	\$ 2,664,824.00
21	DW161-0002	Hawaii DWS	Ahualoa-Honokaa Transmission Waterline	Water Efficiency	SFY 2015	4/15/2015	\$ 3,200,000.00
Total							\$20,216,566.00

**Hawaii Department of Health (DOH) Corrective Action Plan (CAP)
CAP Item 7 - Attachment 4
Due January 30, 2015**

CAP Item 7	Submit a report establishing a target level for commitments (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings) for state fiscal year 2015.
DOH Commitment	The DOH submits CAP Attachment 4 which is a report establishing a target level for commitments (i.e., the amount of funding the DOH must commit in executed assistance agreements, based on maximum use of available loan funds, including capitalization grants, state match, fees, repayments and interest earnings) for SFY 2015.

Project No.	Project Name	FLA Date Executed	Loan Amount
HBWS-0001	Honolulu BWS Water System Improvements 1	11/15/2014	\$ 9,579,895.00
HBWS-0002	Honolulu BWS Loan Refinance 1	10/15/2014	\$ 26,400,910.01
DW331-0047	Kalihi Water System Improvements, Part III	10/15/2014	\$ 5,068,079.00
DW217-0005	Wakiu Well Replacement SLA	8/15/2014	\$ 1,850,000.00
TOTAL EXECUTED FLAs IN SFY 2015			\$42,898,884.01

Project No.	Project Name	FLA Date Estimated to be Executed	Loan Amount
DW400-0011	Lihue Baseyards	12/15/2014	\$ 4,000,000.00
DW213-0015	Haliimaile Tank Replacement	1/15/2015	\$700,000.00
DW331-0057	Ward Avenue 12-Inch and 8-Inch Mains SLA	2/15/2015	\$199,721.30
DW215-0010	Kula 200 #1 Tank Replacement	4/15/2015	\$874,565.00
DW102-0001	Laupahoehoe 0.5MG Reservoir	4/15/2015	\$4,158,101.00
DW161-0002	Ahualoa-Honokaa Transmission Waterline	4/15/2015	\$3,200,000.00
TOTAL ANTICIPATED EXECUTED FLAs IN SFY 2015			\$13,132,387.30

TOTAL TARGET LEVEL FOR COMMITMENTS IN SFY 2015	\$56,031,271.31
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